

FIG.1

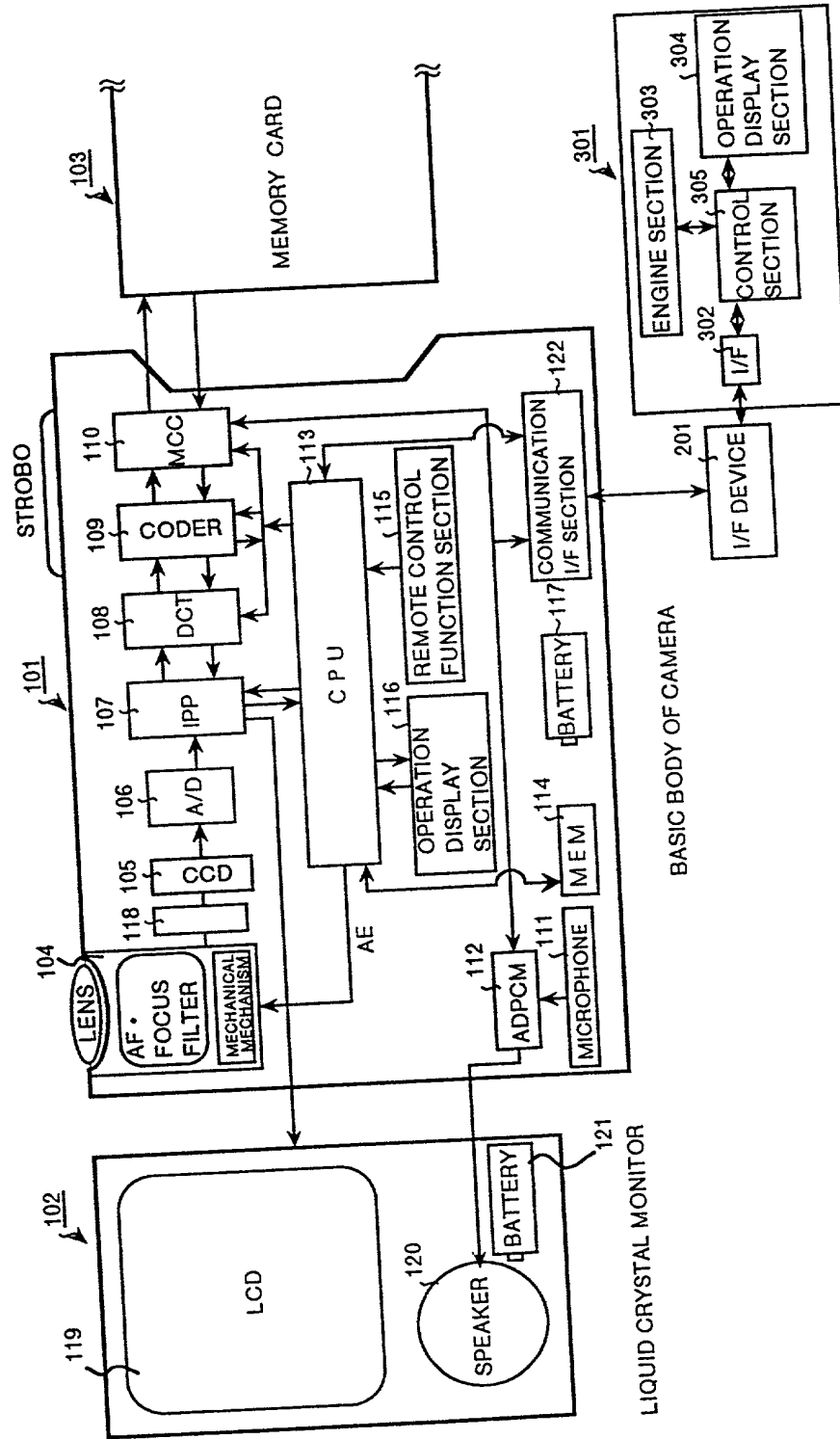


FIG.2A

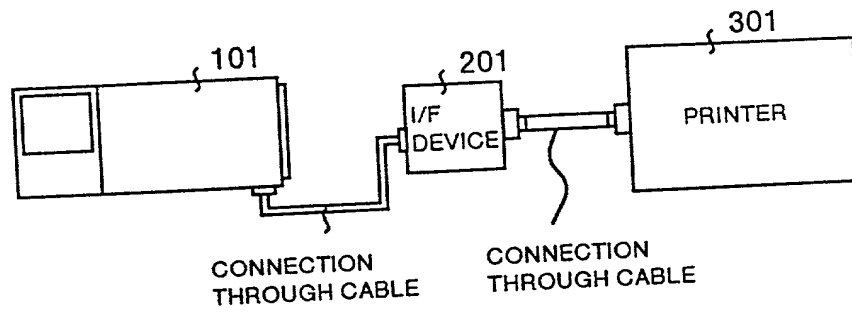


FIG.2B

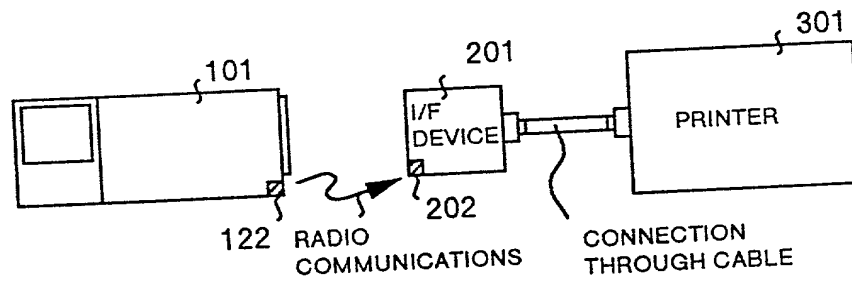
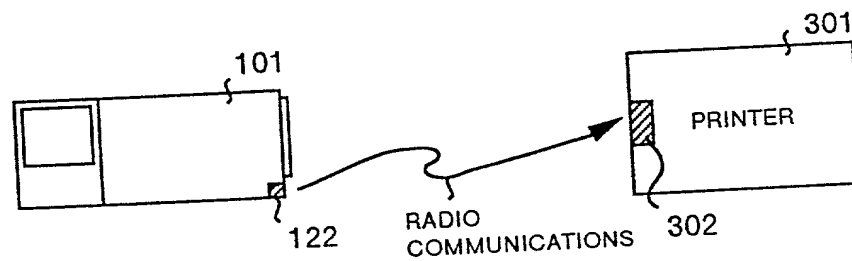


FIG.2C



# FIG.3

## PROCESSING FOR MAINTENANCE OF PICTURE INFORMATION

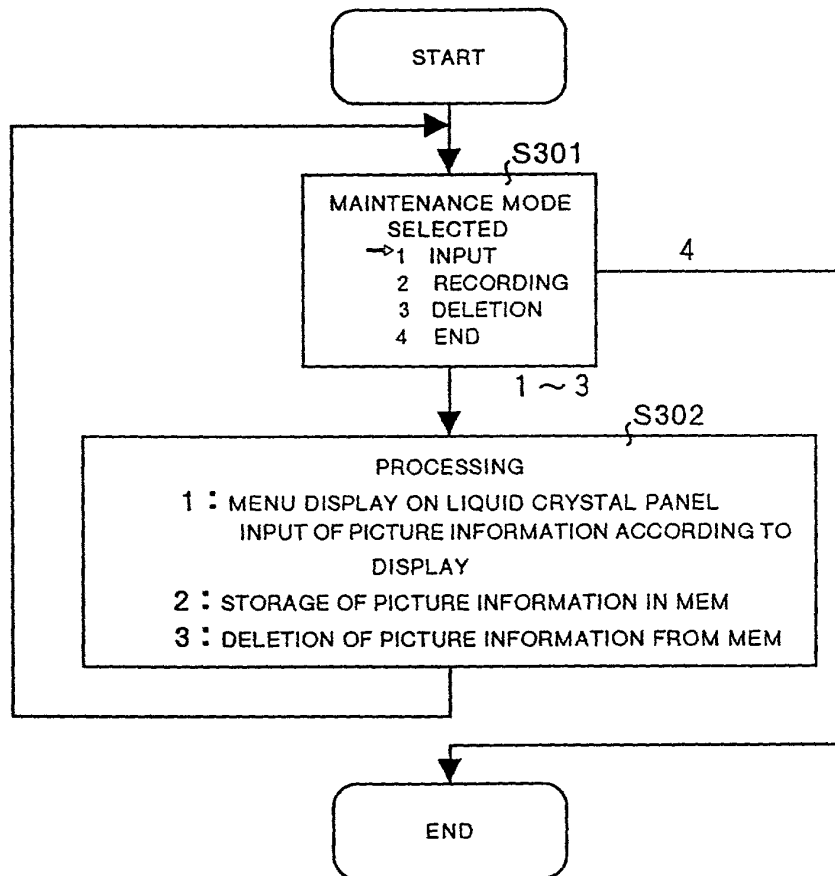


FIG.4A

119

RESOLUTION OF PRINTER?

100

200

300

▶ 400

600

1200

FIG.4B

119

SIZE AND DIRECTION OF PRINTING FORM?

B5VERTICAL

B5HORIZONTAL

▶ A4VERTICAL

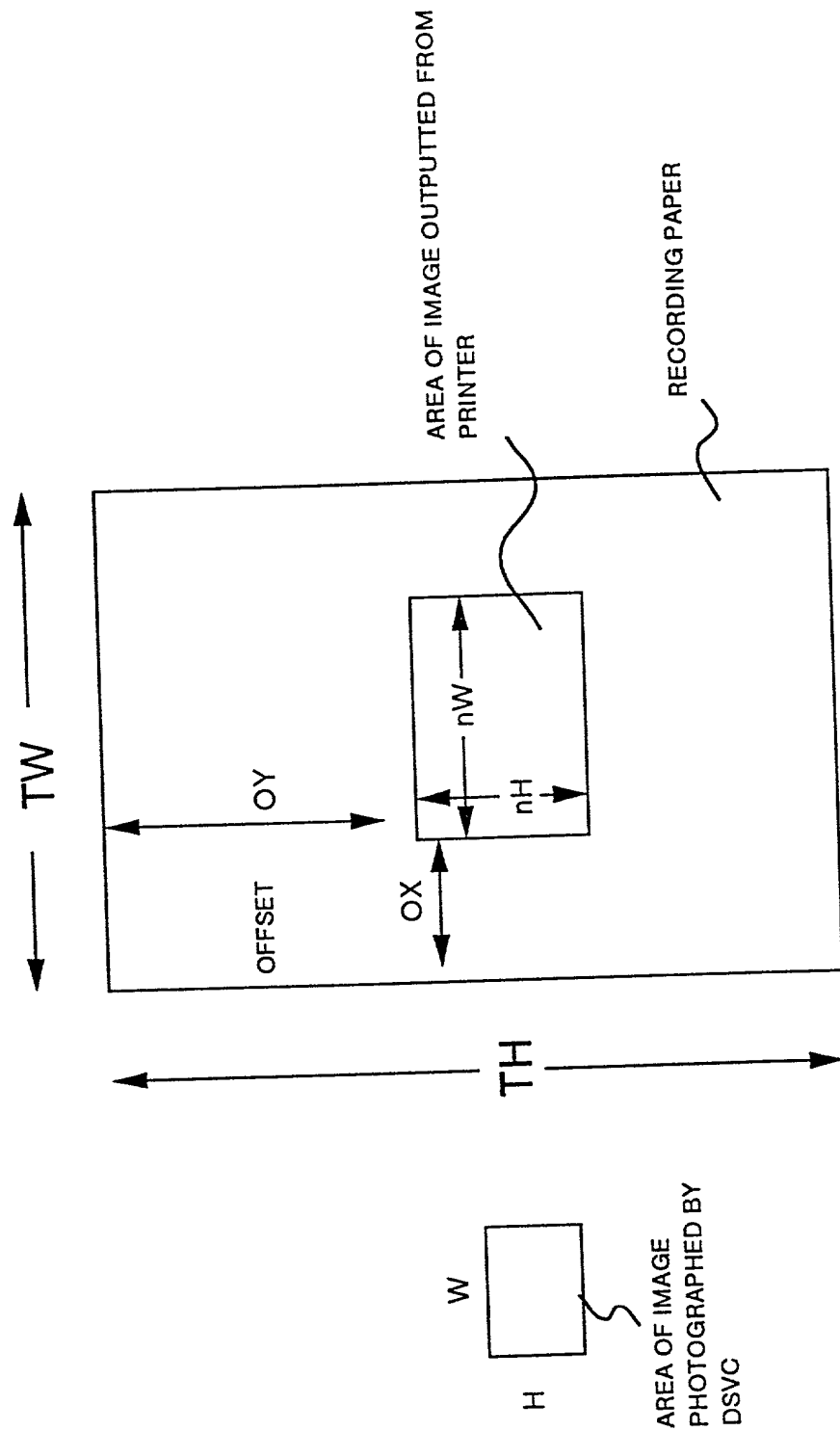
A4HORIZONTAL

B4VERTICAL

B4HORIZONTAL

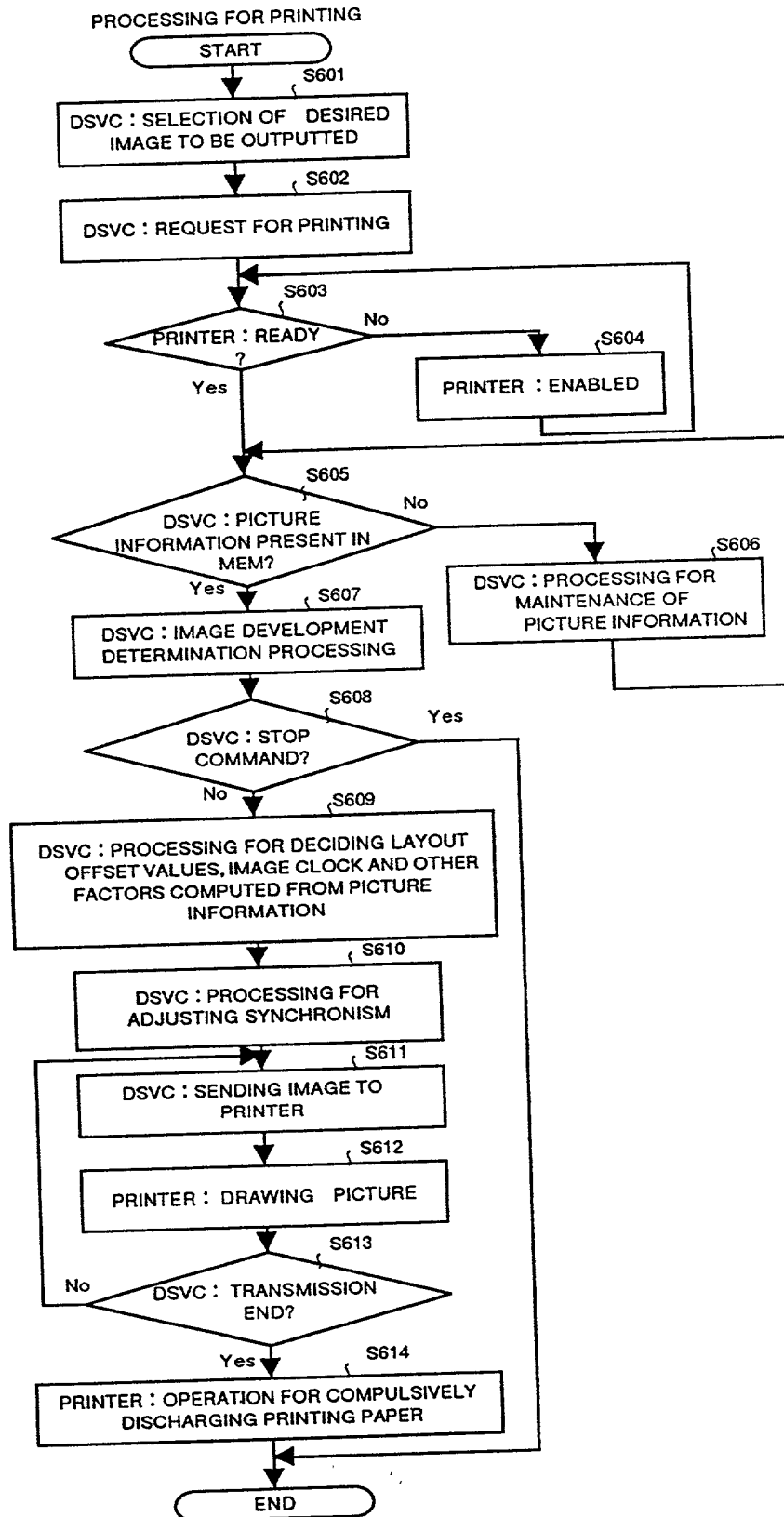
A3VERTICAL

FIG.5



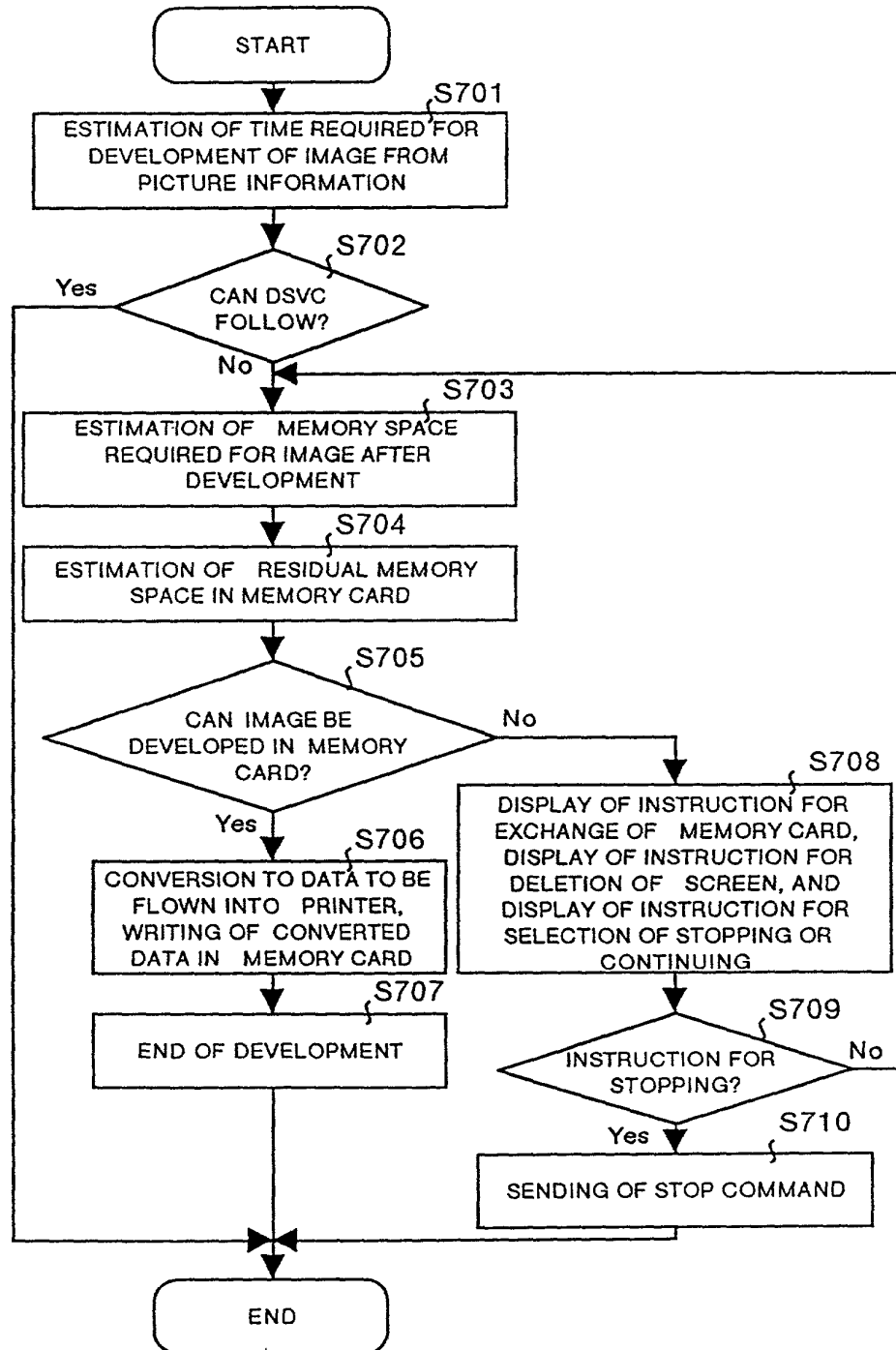
$n$  INDICATES MAGNIFICATION.

# FIG.6



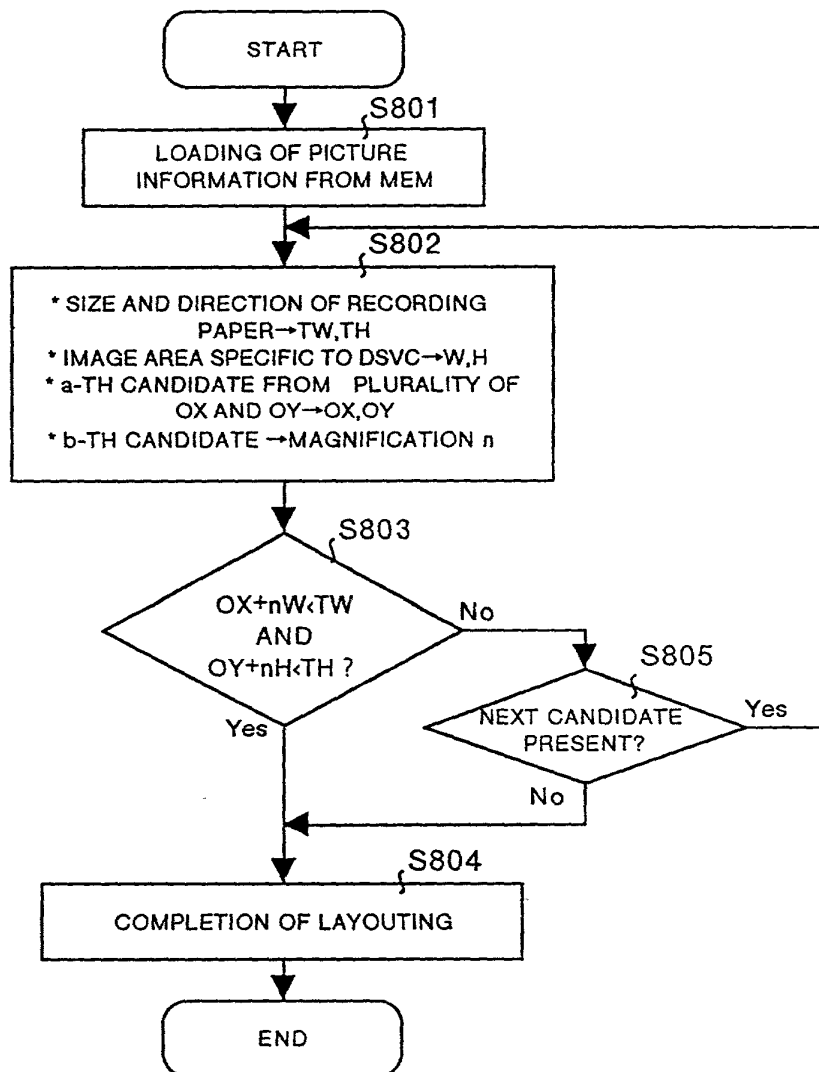
# FIG.7

## IMAGE DEVELOPMENT DETERMINATION PROCESSING



# FIG.8

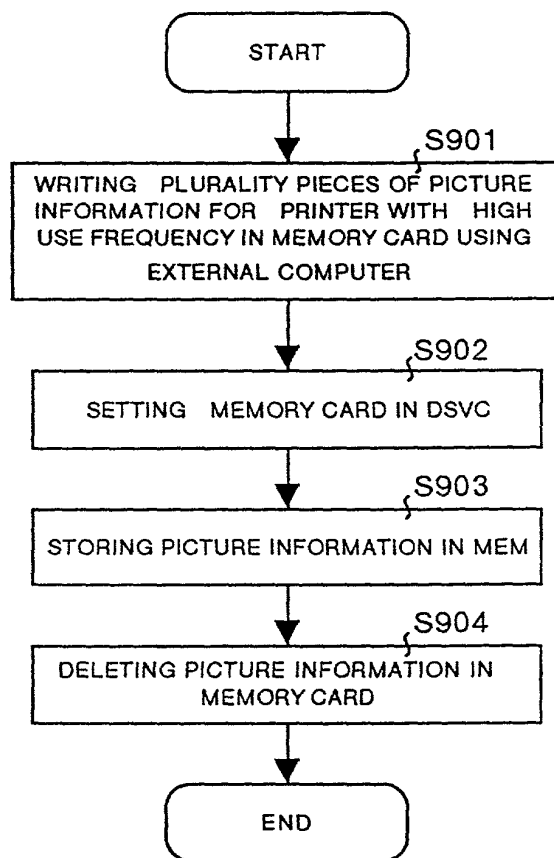
## PROCESSING FOR DECIDING LAYOUT





# FIG.9

## PROCESSING FOR SETTING PICTURE INFORMATION



# FIG.10

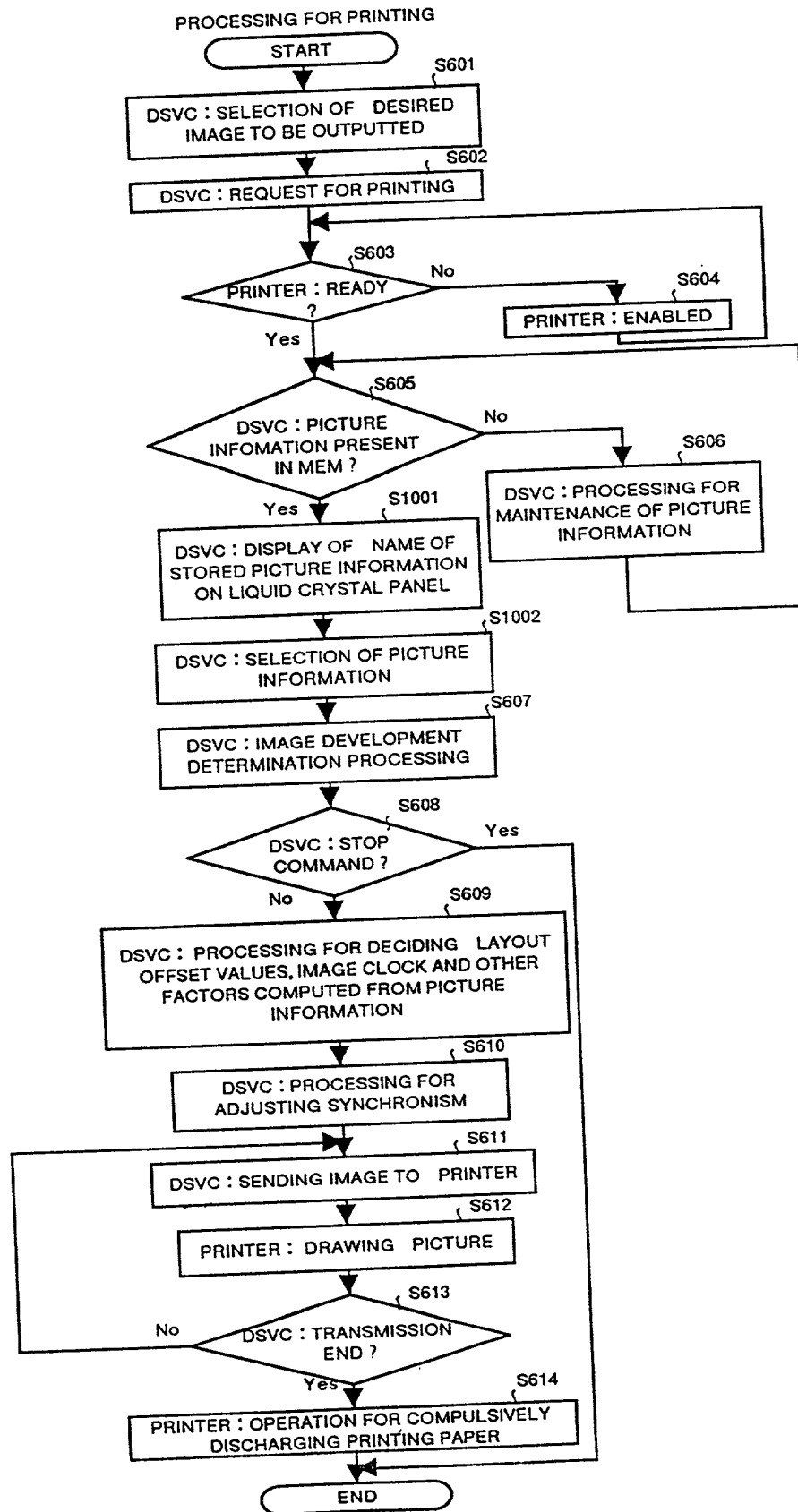
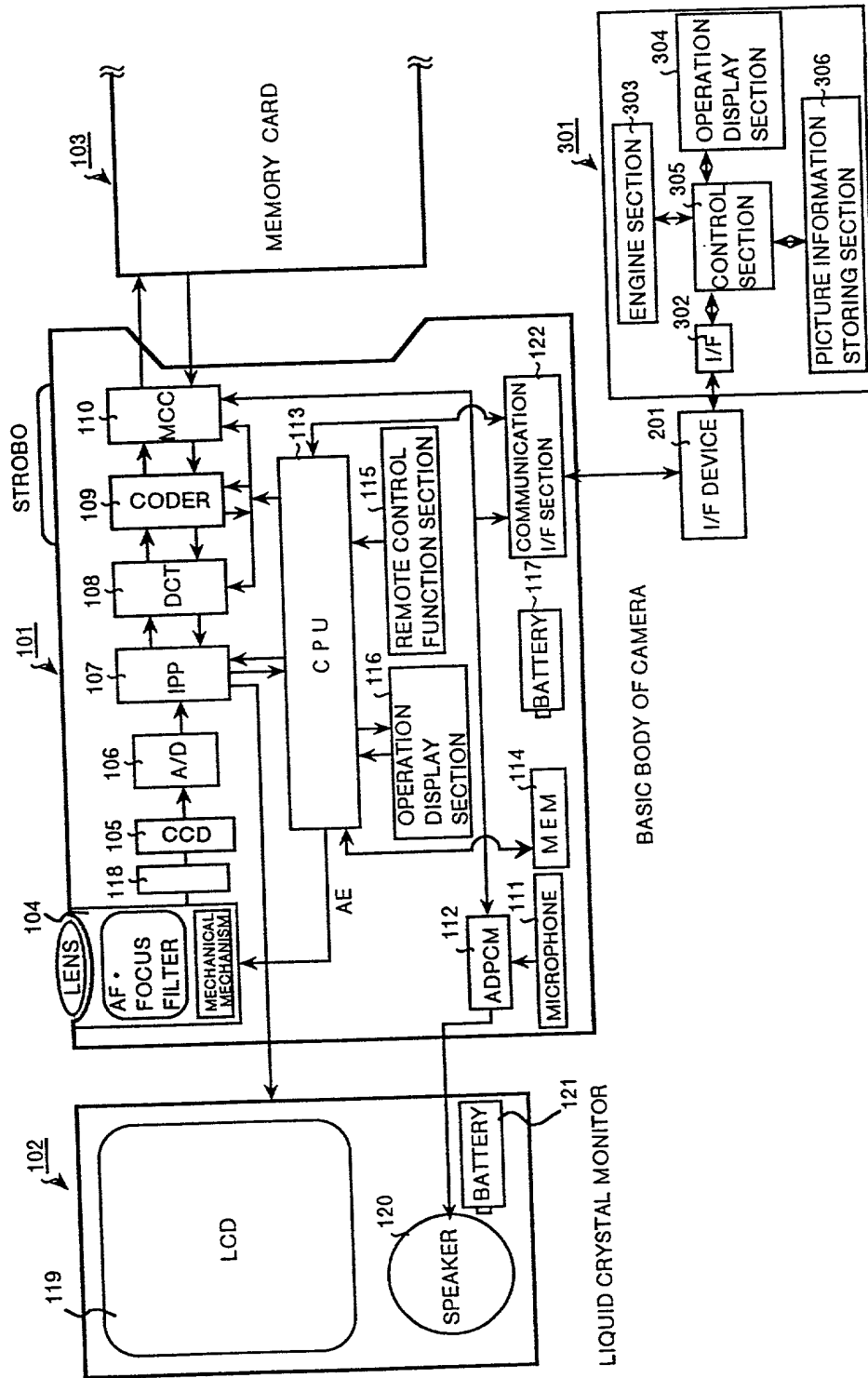


FIG.11



# FIG.12

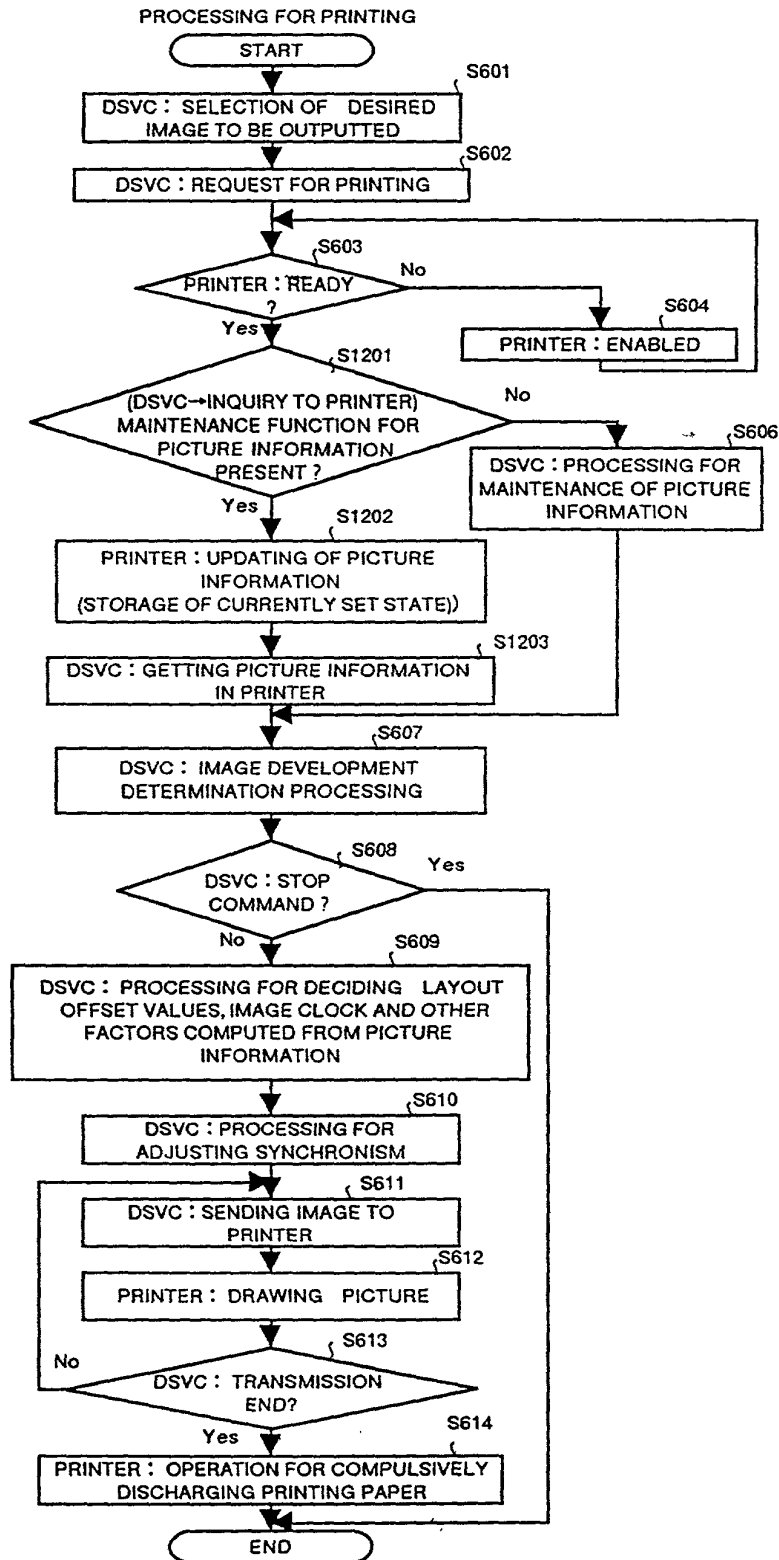


FIG.13

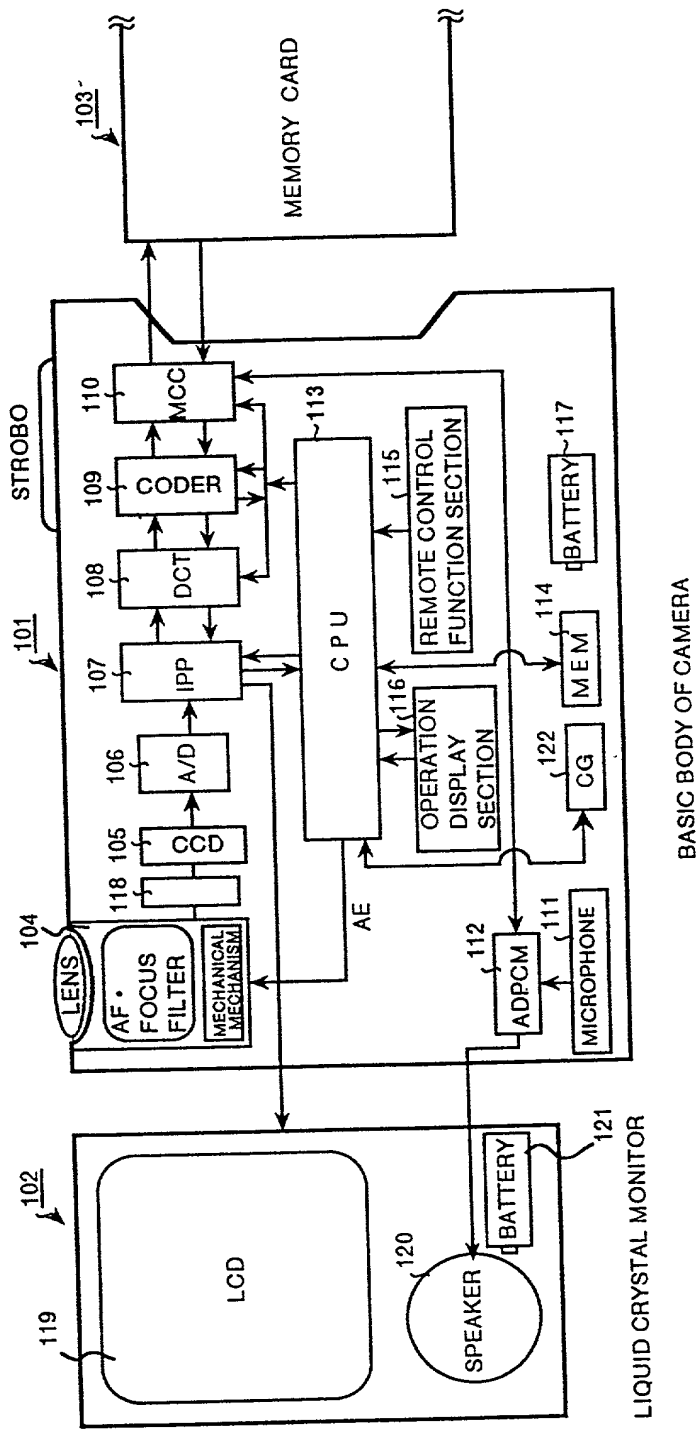


FIG.14A

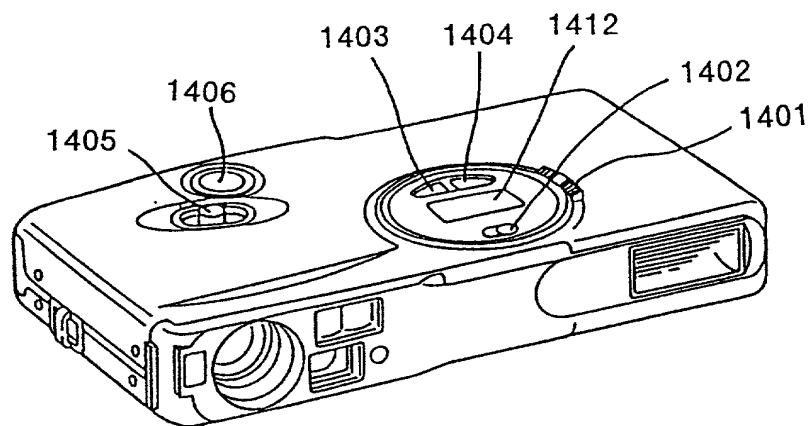


FIG.14B

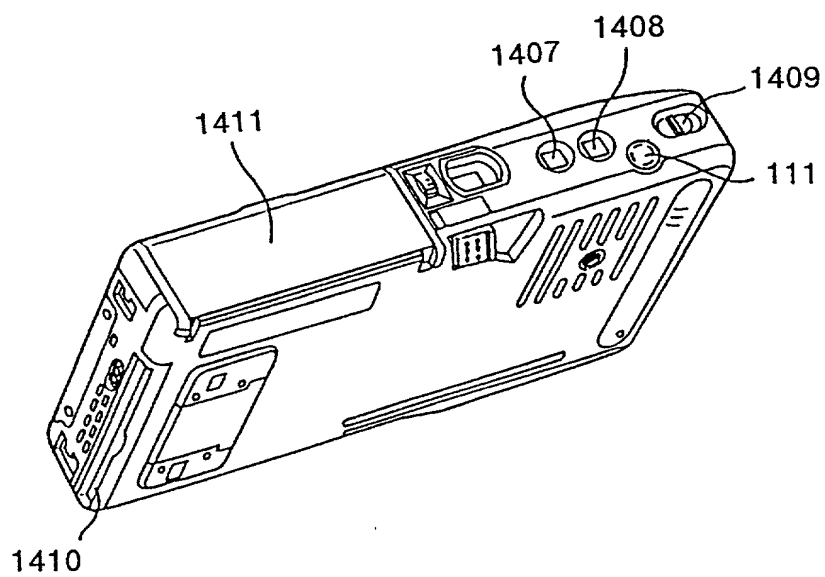
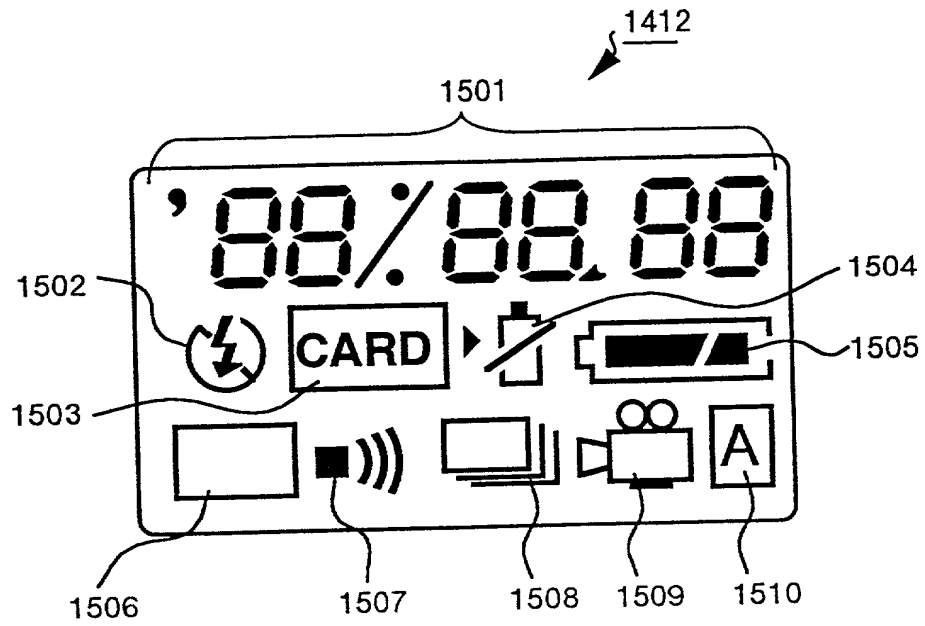
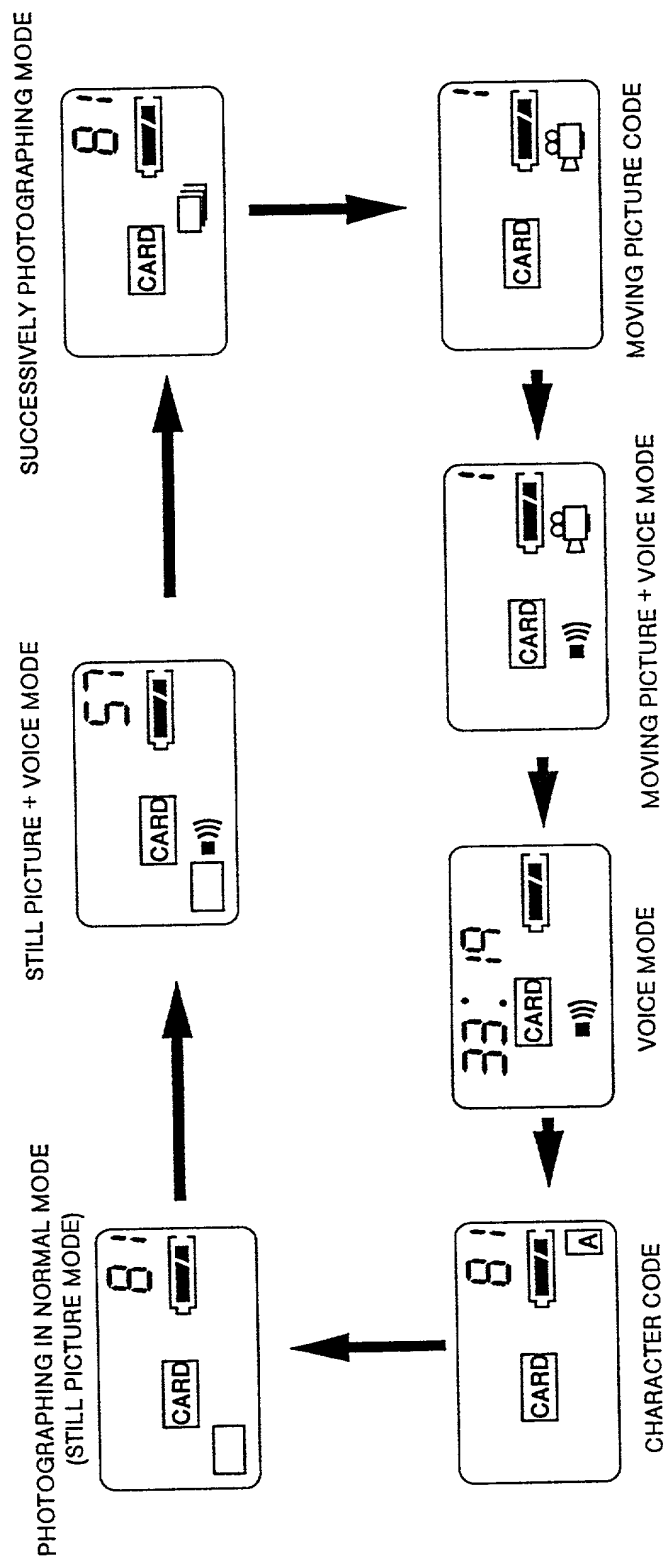


FIG.15



# FIG.16





# FIG.17

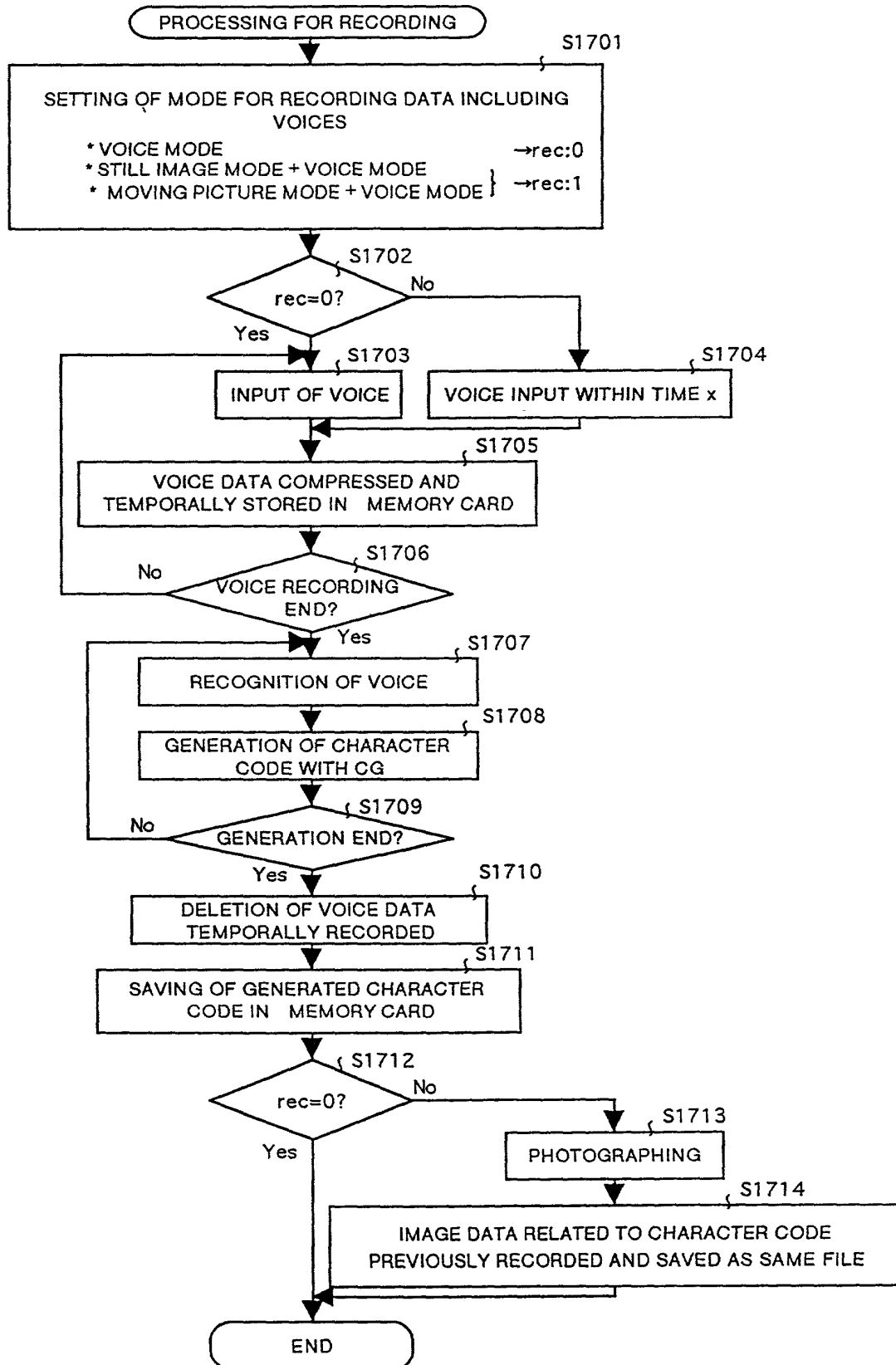


FIG.18

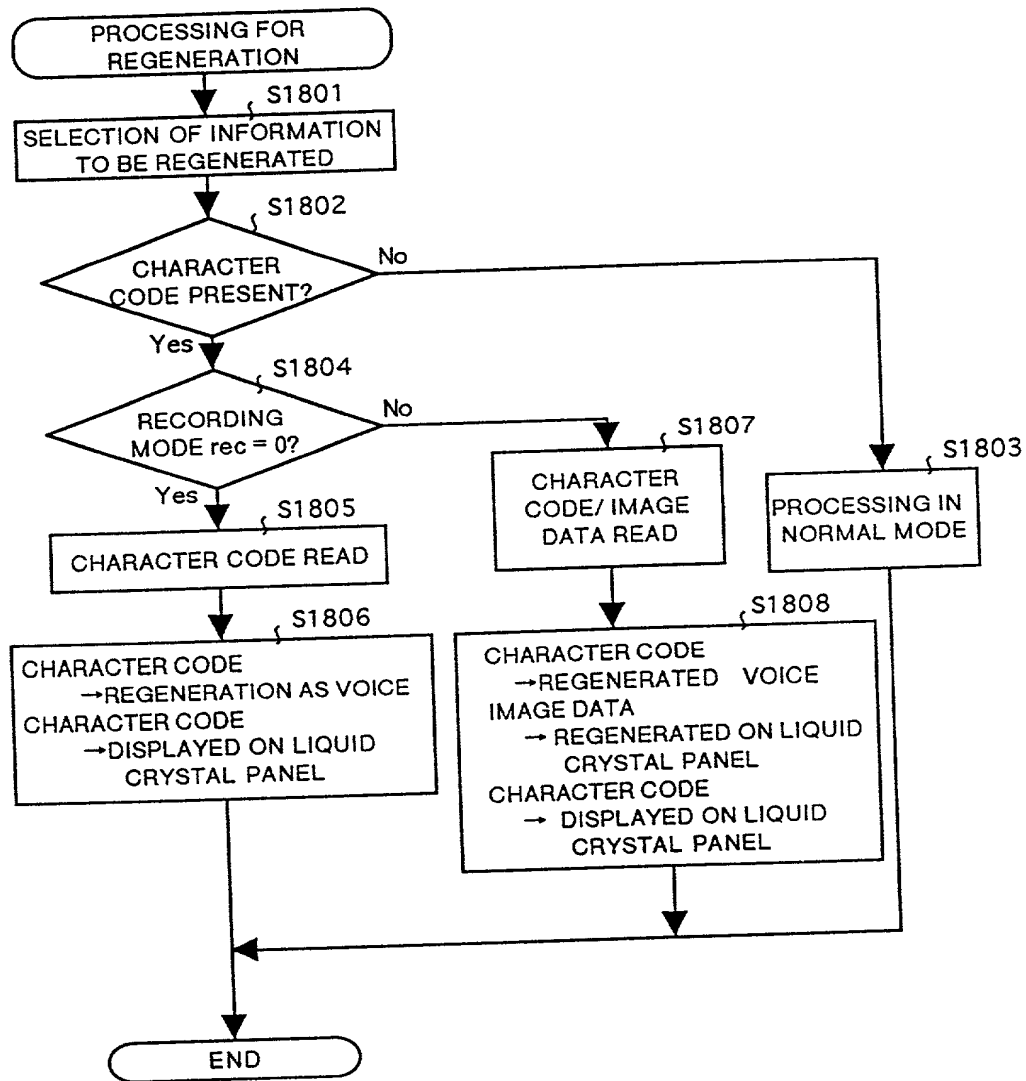


FIG.19

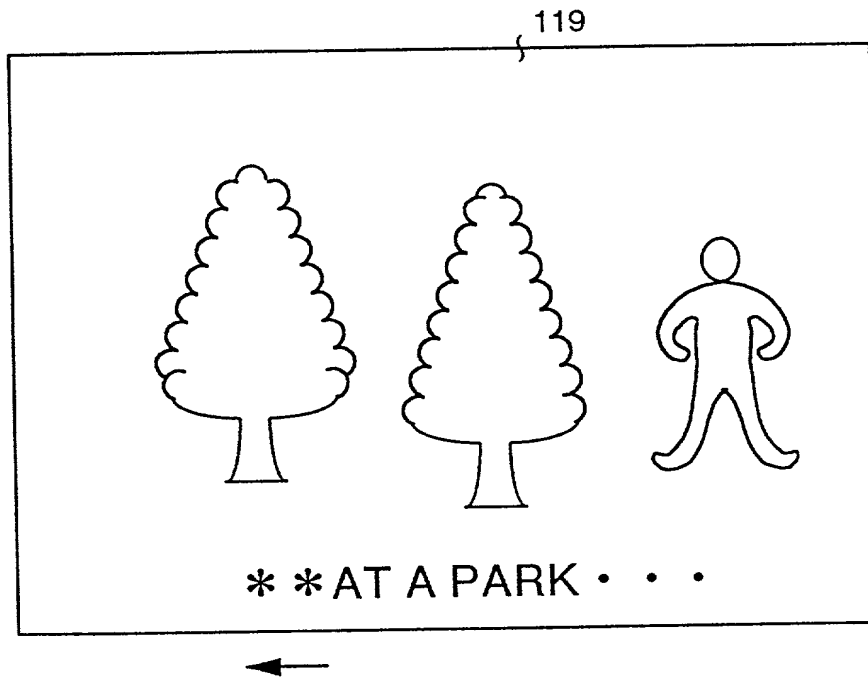


FIG.20

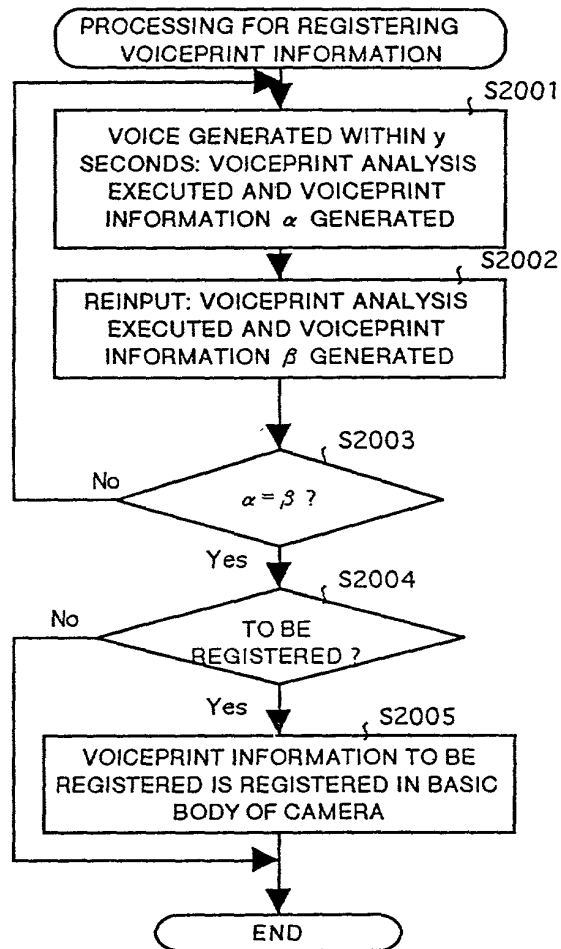


FIG.21

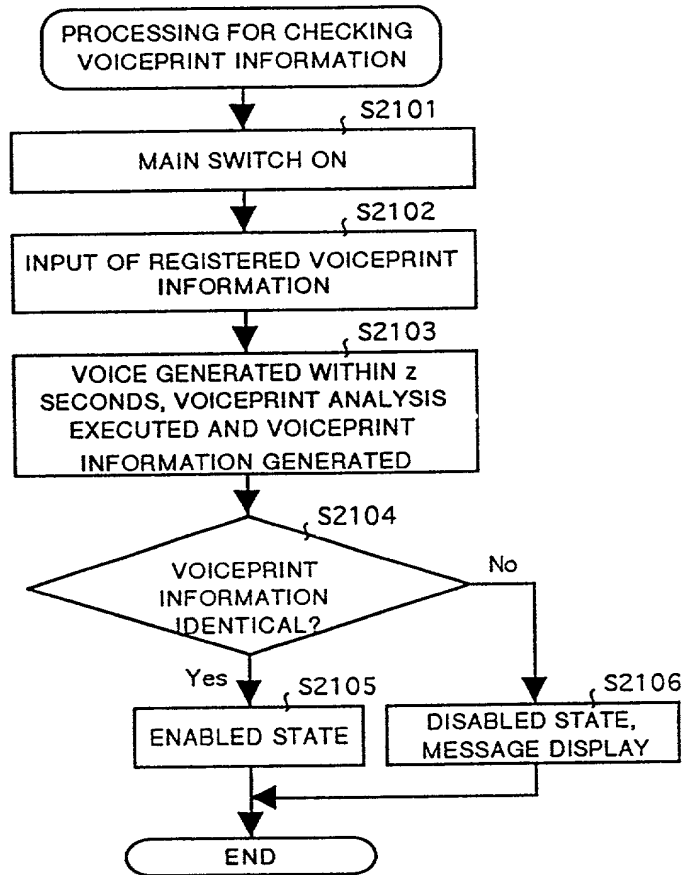


FIG.22

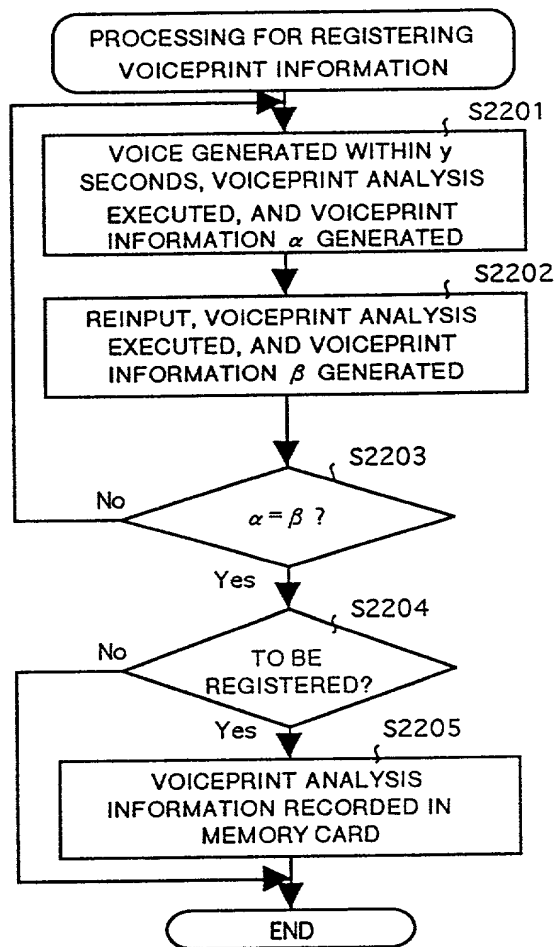
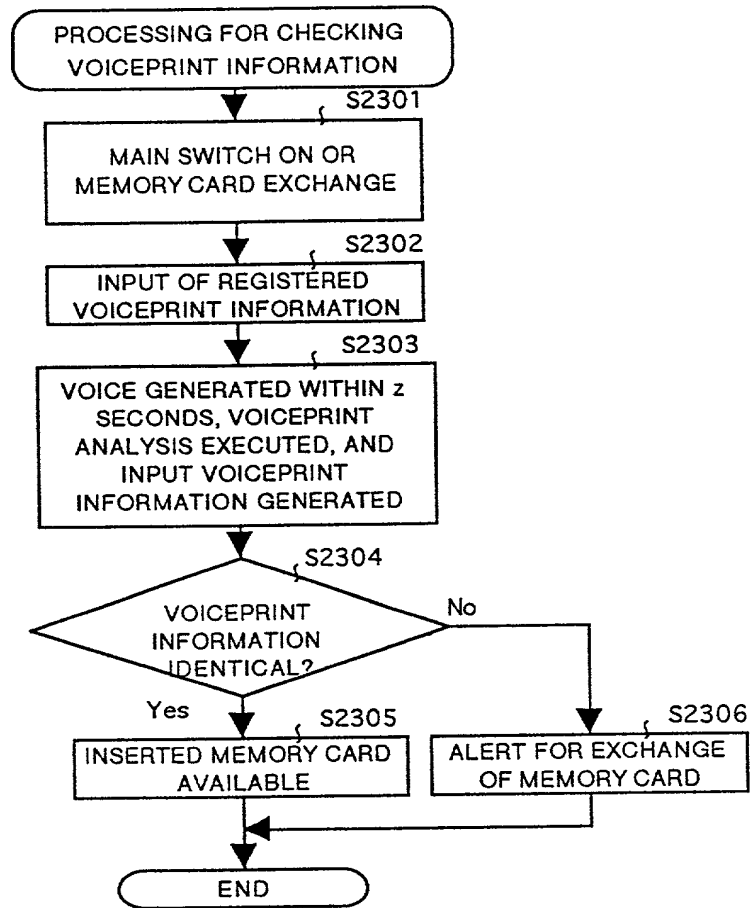


FIG.23



# FIG.24

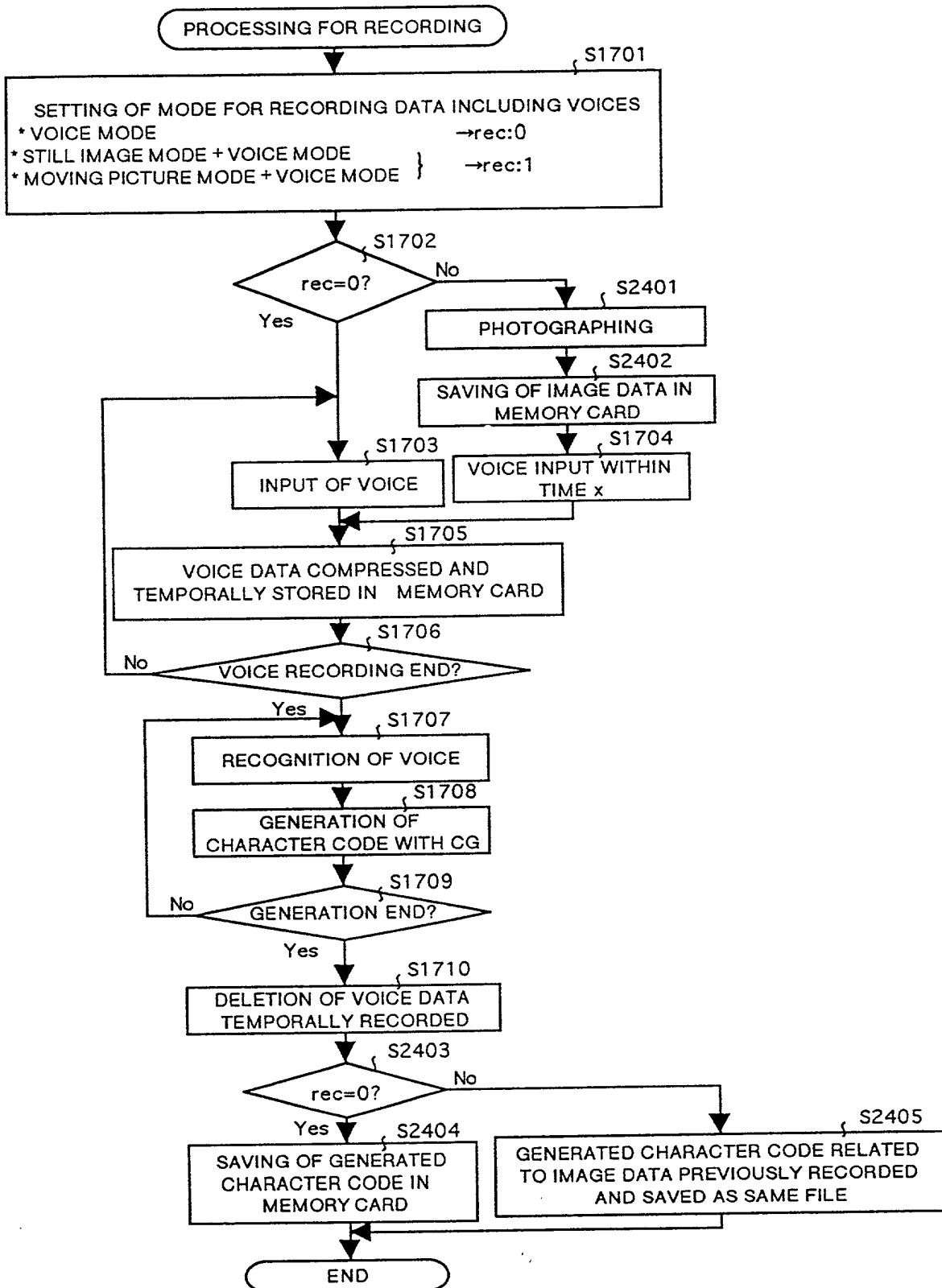
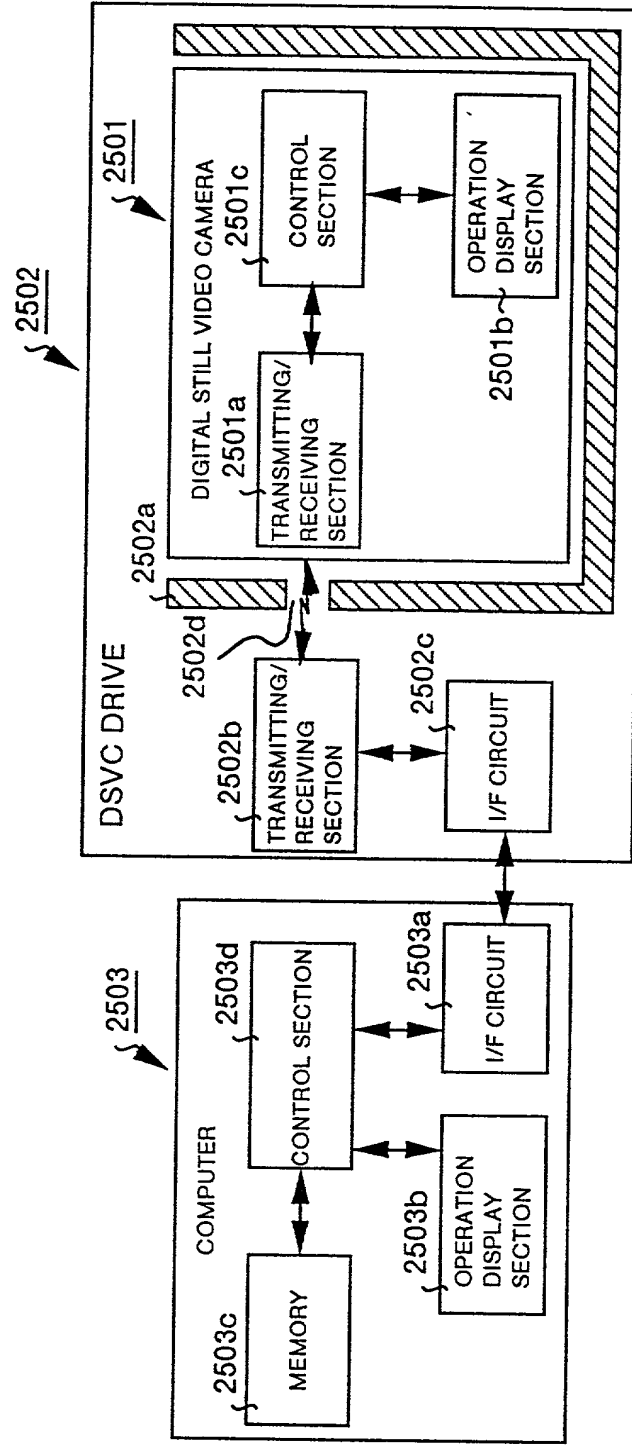




FIG.25



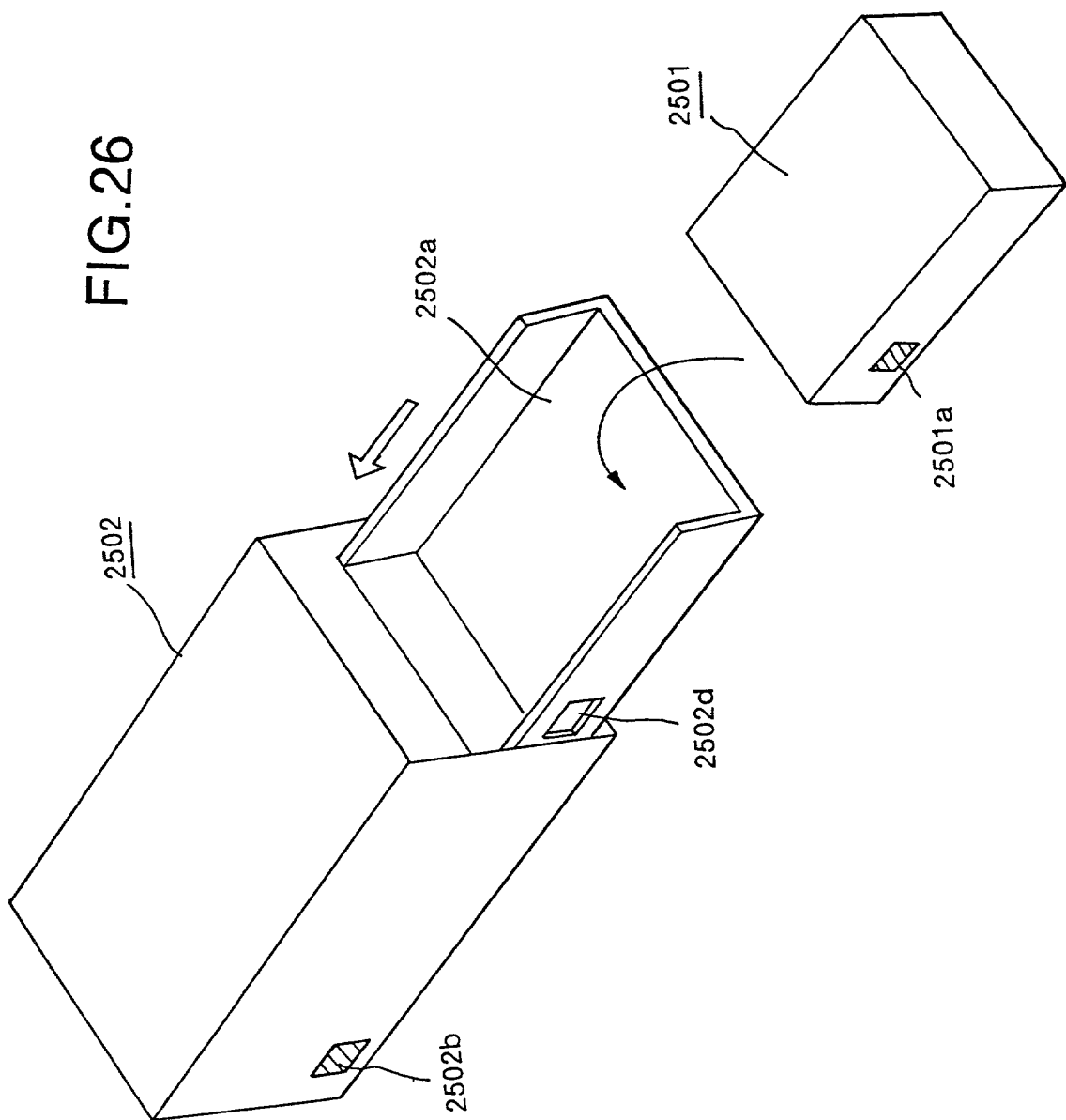


FIG.27

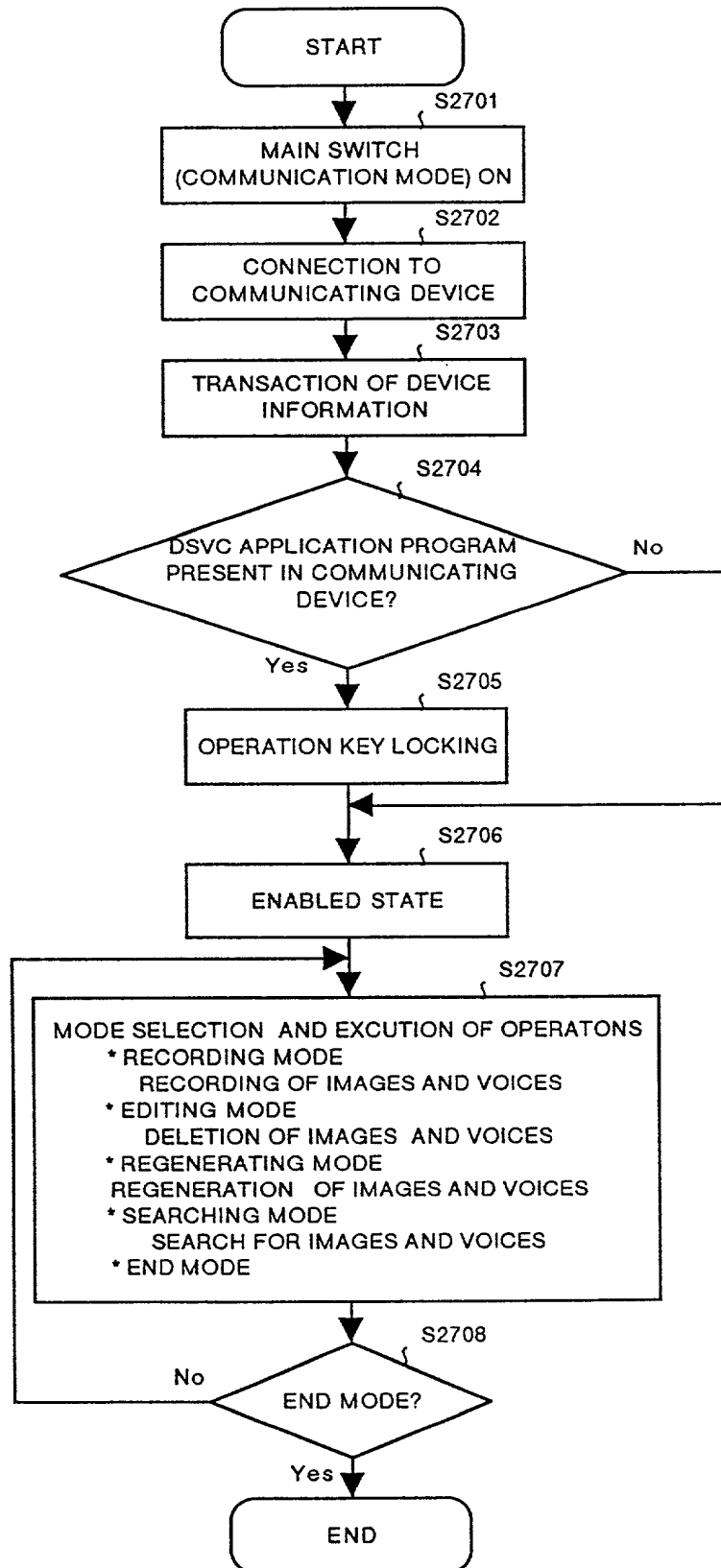


FIG.28

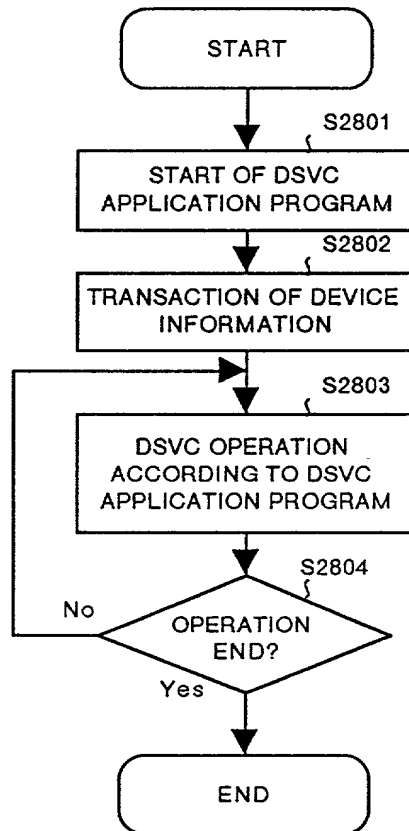


FIG.29A

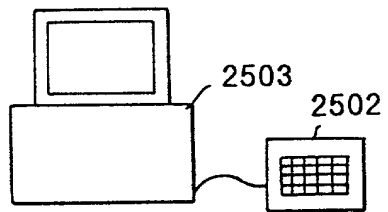


FIG.29B

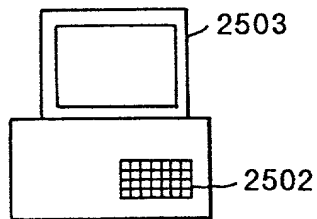


FIG.29C

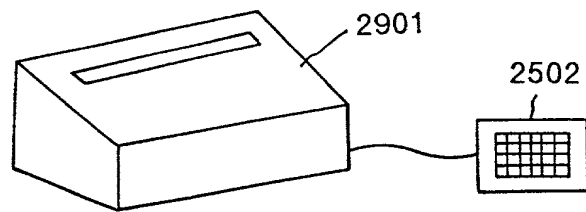


FIG.29D

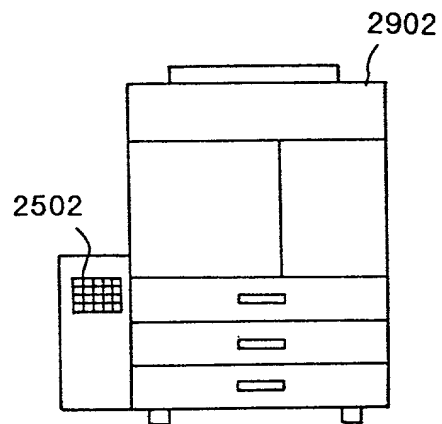
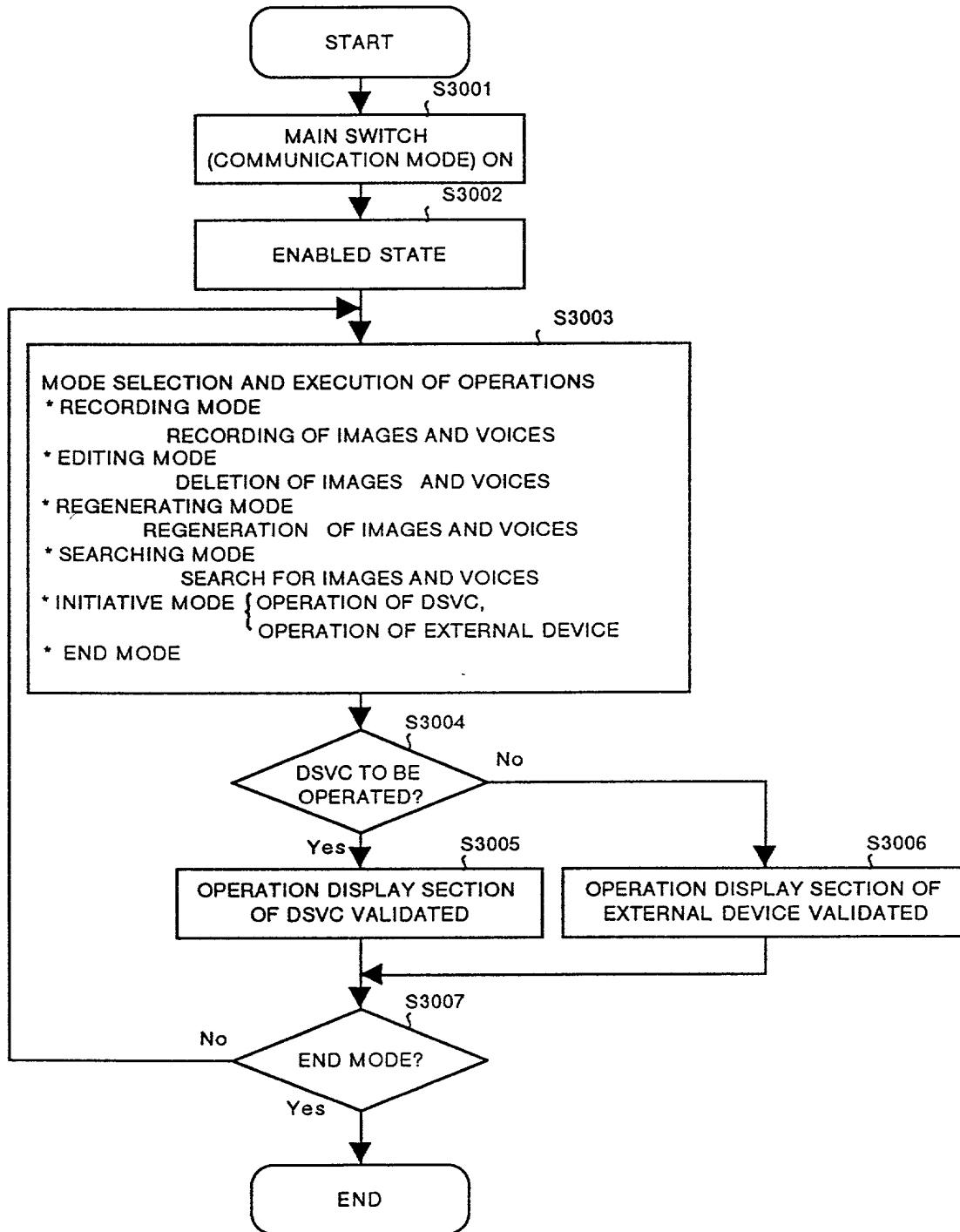


FIG.30



# FIG.31

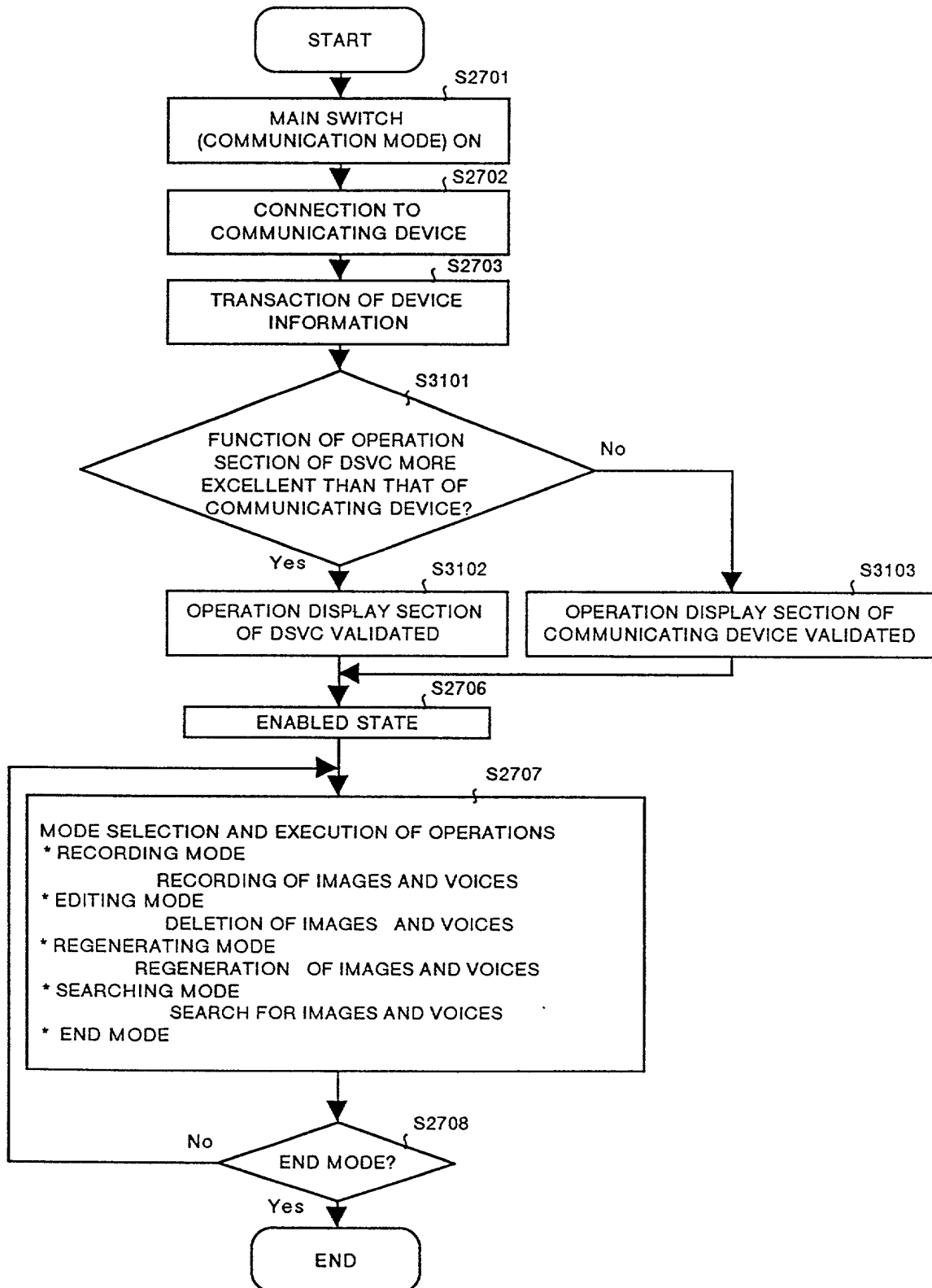


FIG.32

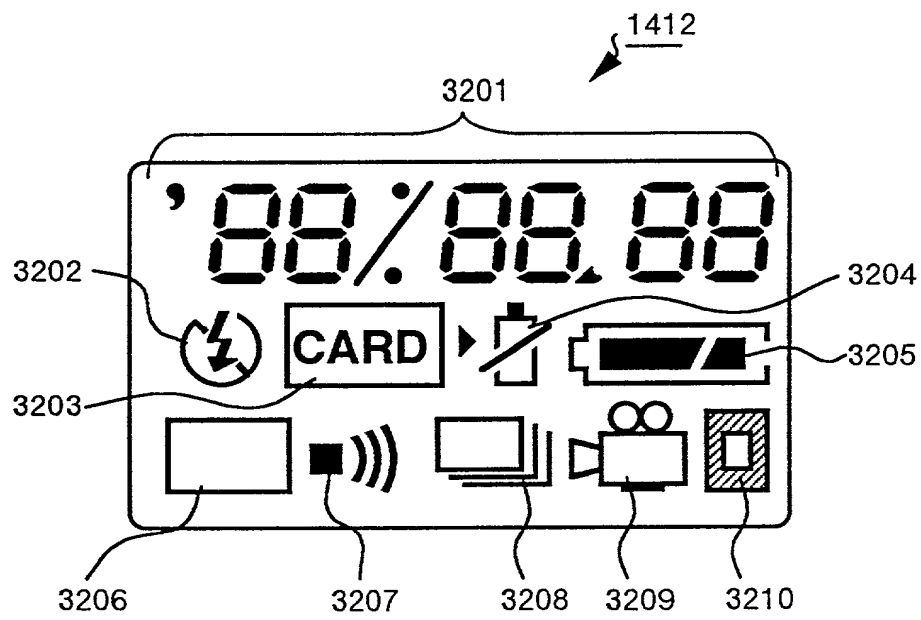
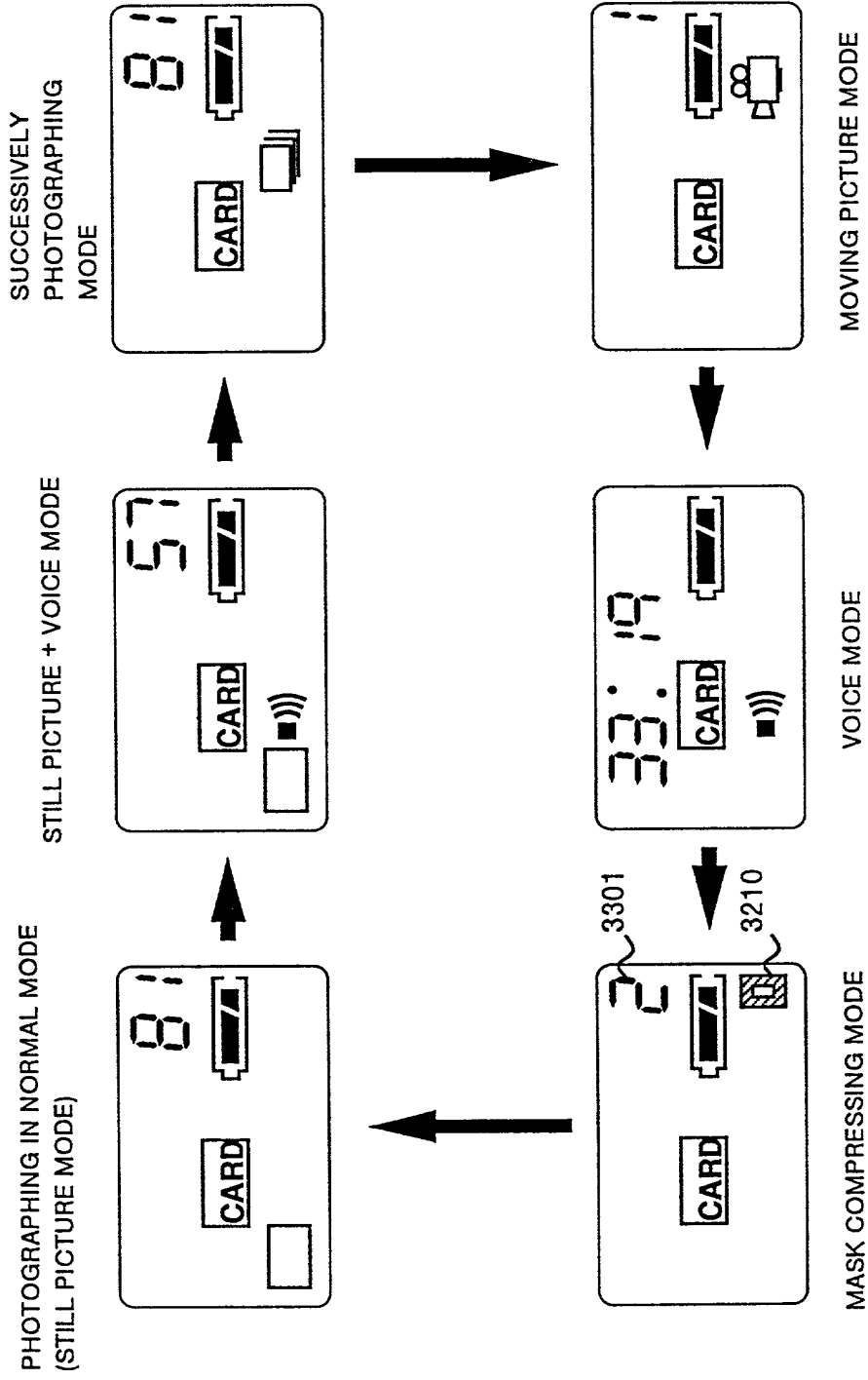




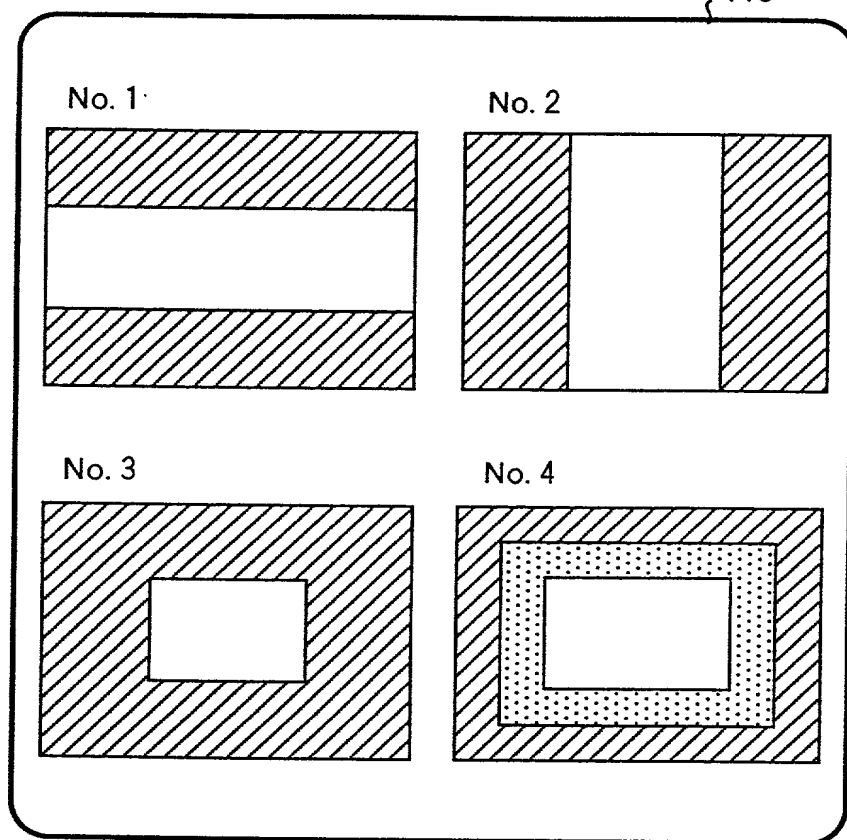
FIG.33



# FIG.34

## MASK INFORMATION SELECT SCREEN

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# FIG.35

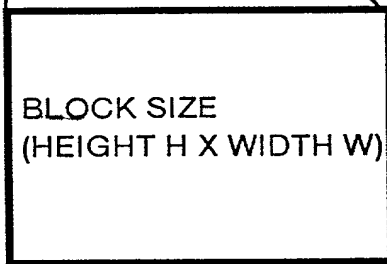
SCREEN WITH HEIGHT H X WIDTH W IS DIVIDED INTO M X N BLOCKS

W

H

0	0	0	1	1	1	0	0	0
0	0	0	1	1	1	0	0	0
0	0	0	1	1	1	0	0	0
0	0	0	1	1	1	0	0	0
0	0	0	1	1	1	0	0	0
0	0	0	1	1	1	0	0	0
0	0	0	1	1	1	0	0	0

h



W

$$h = H / M,$$

$$w = W / N$$



FIG.37

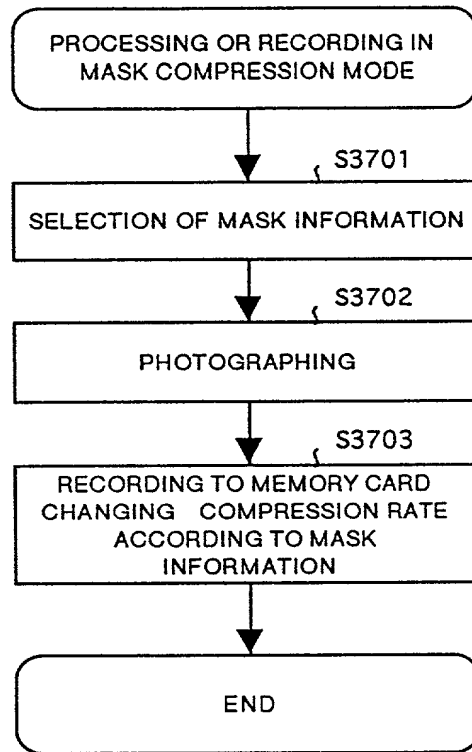


FIG.38

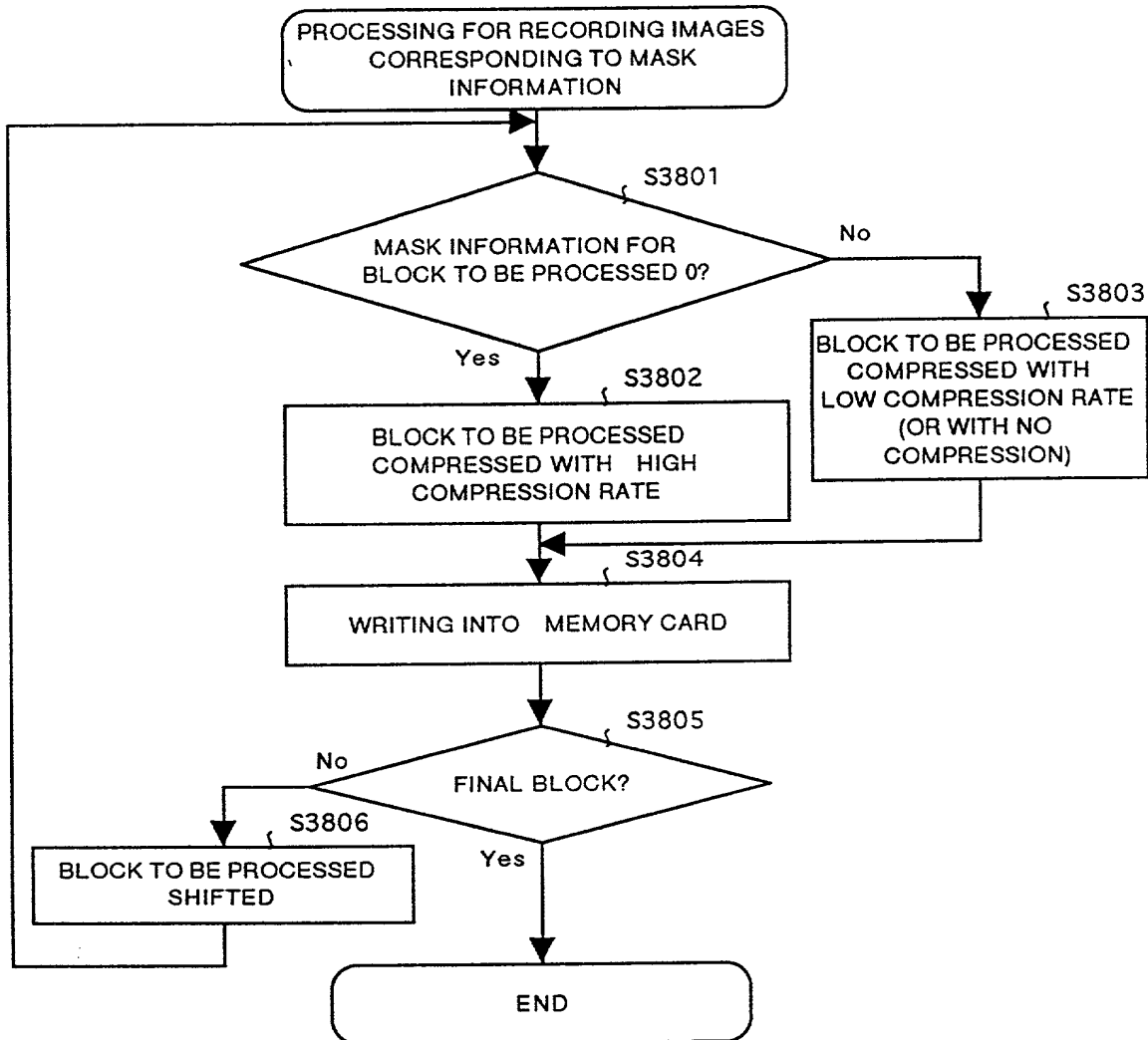


FIG.39

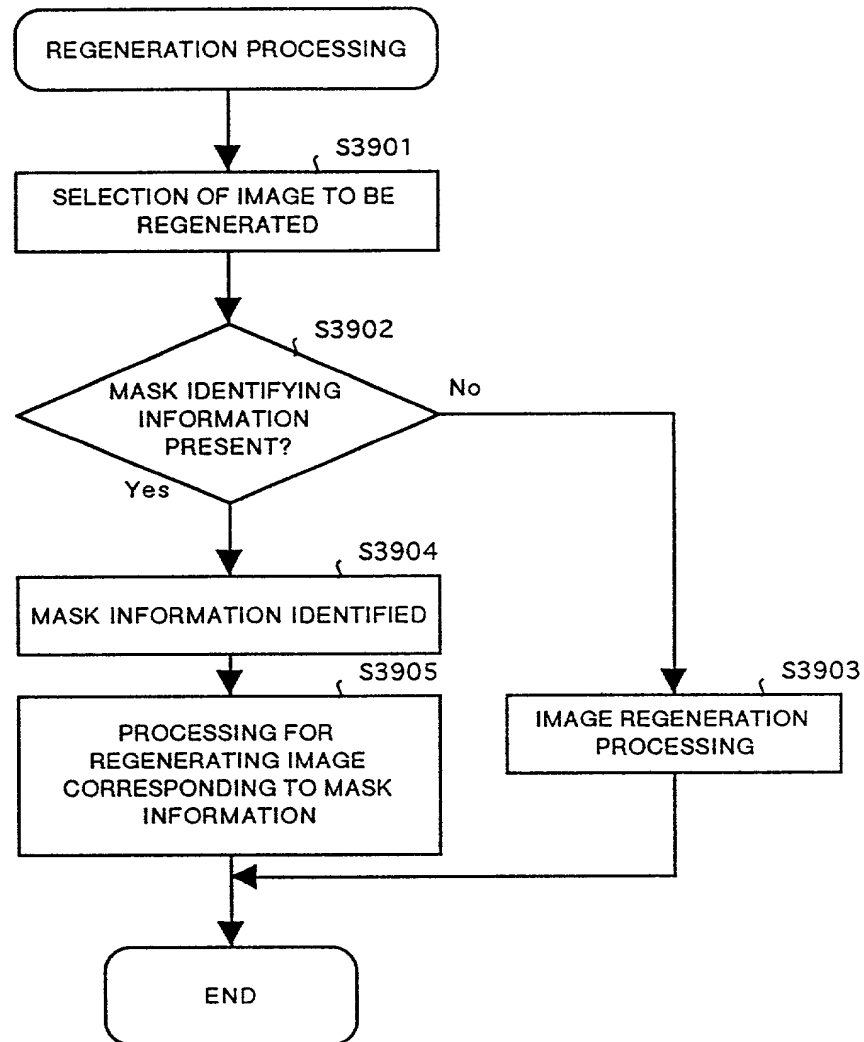


FIG.40

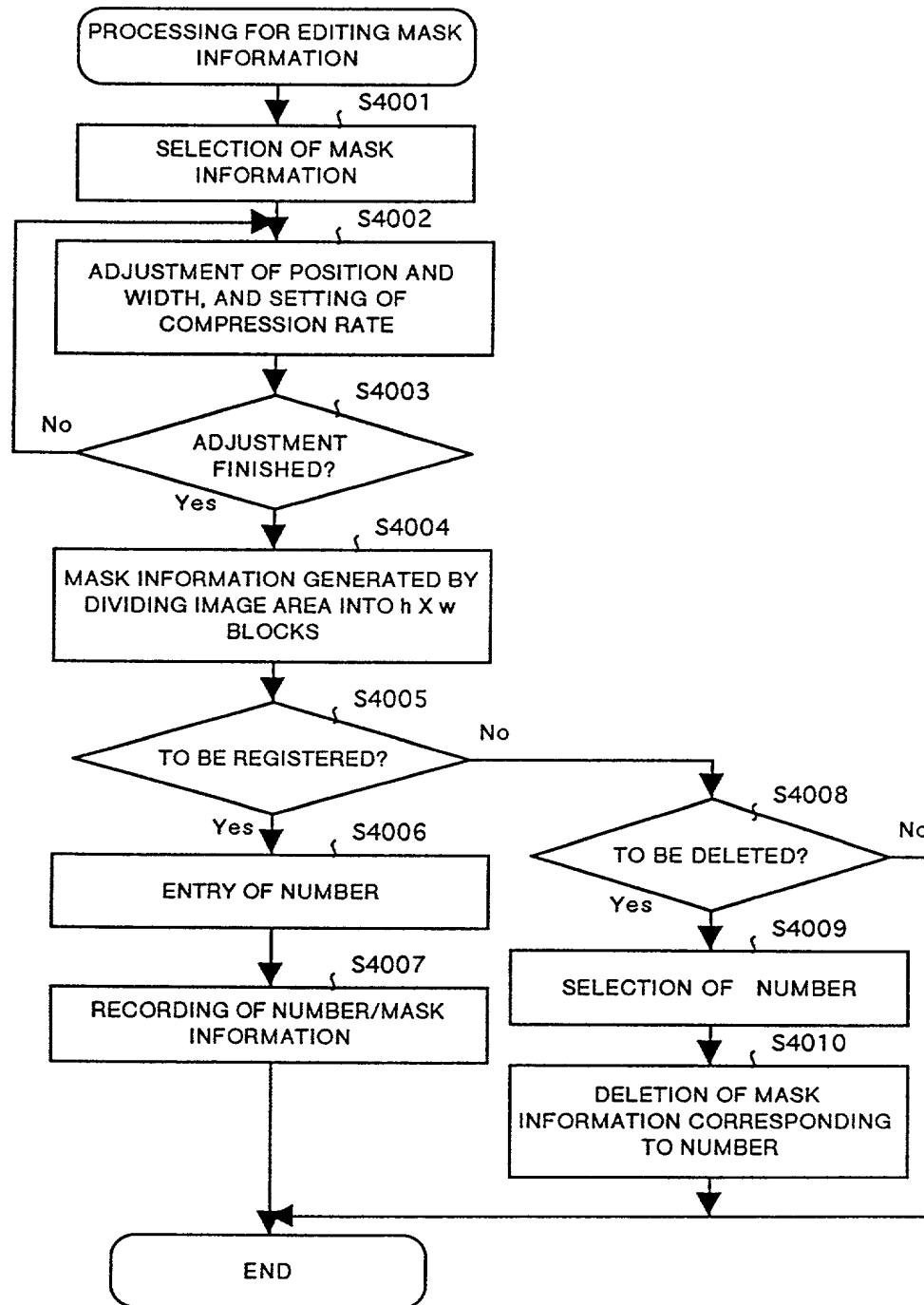
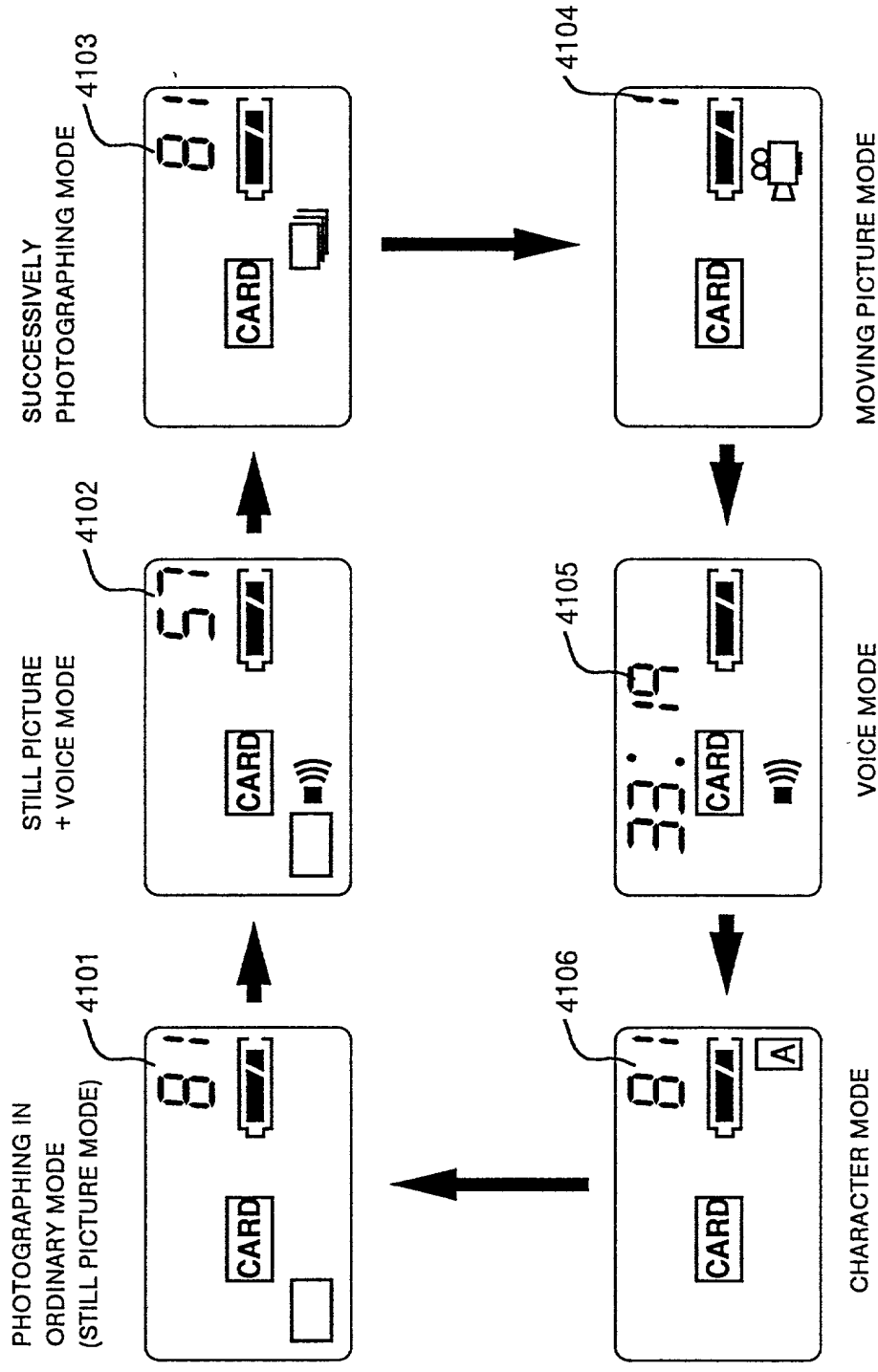
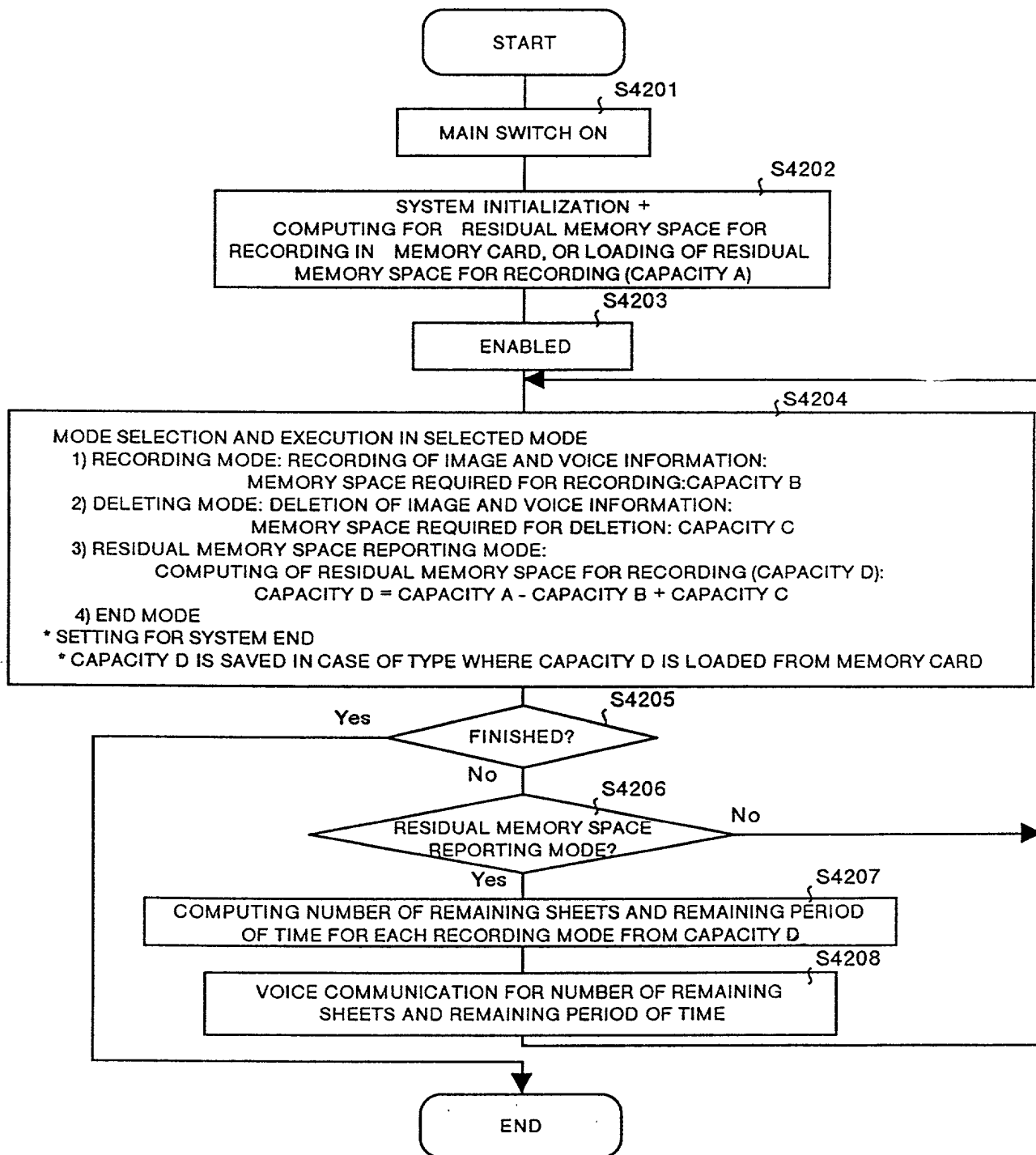




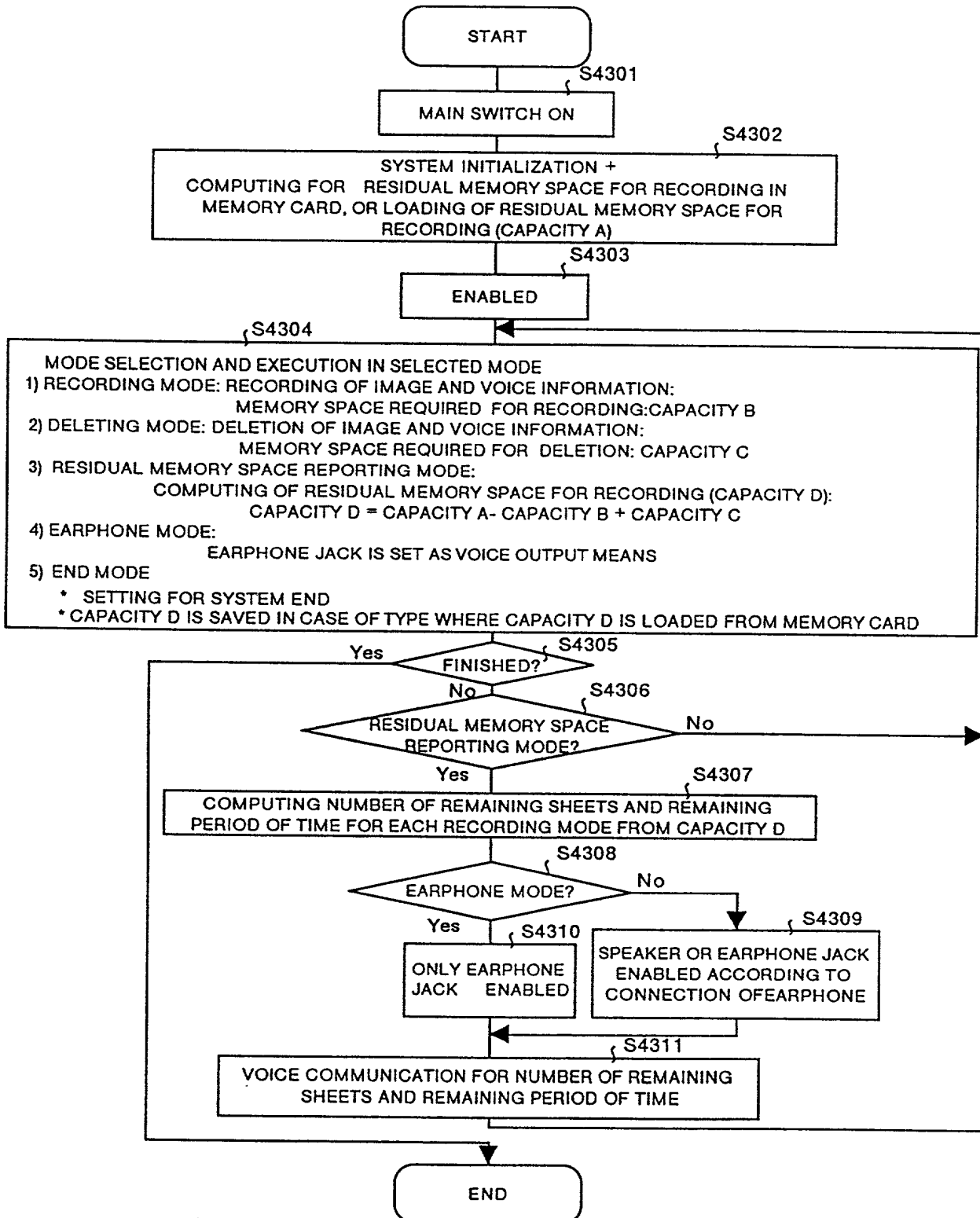
FIG.41



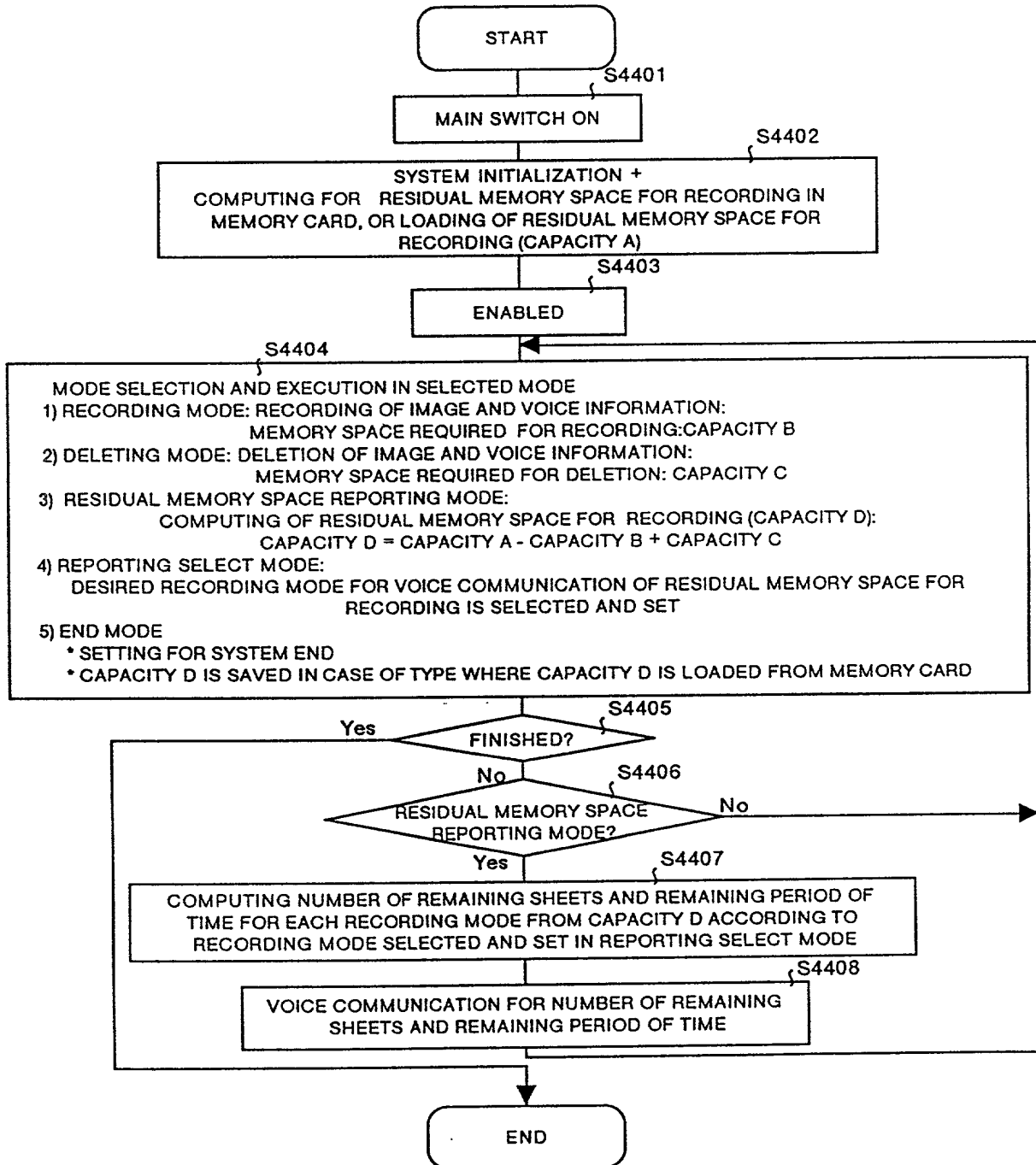
# FIG.42



# FIG.43



# FIG.44



# FIG.45

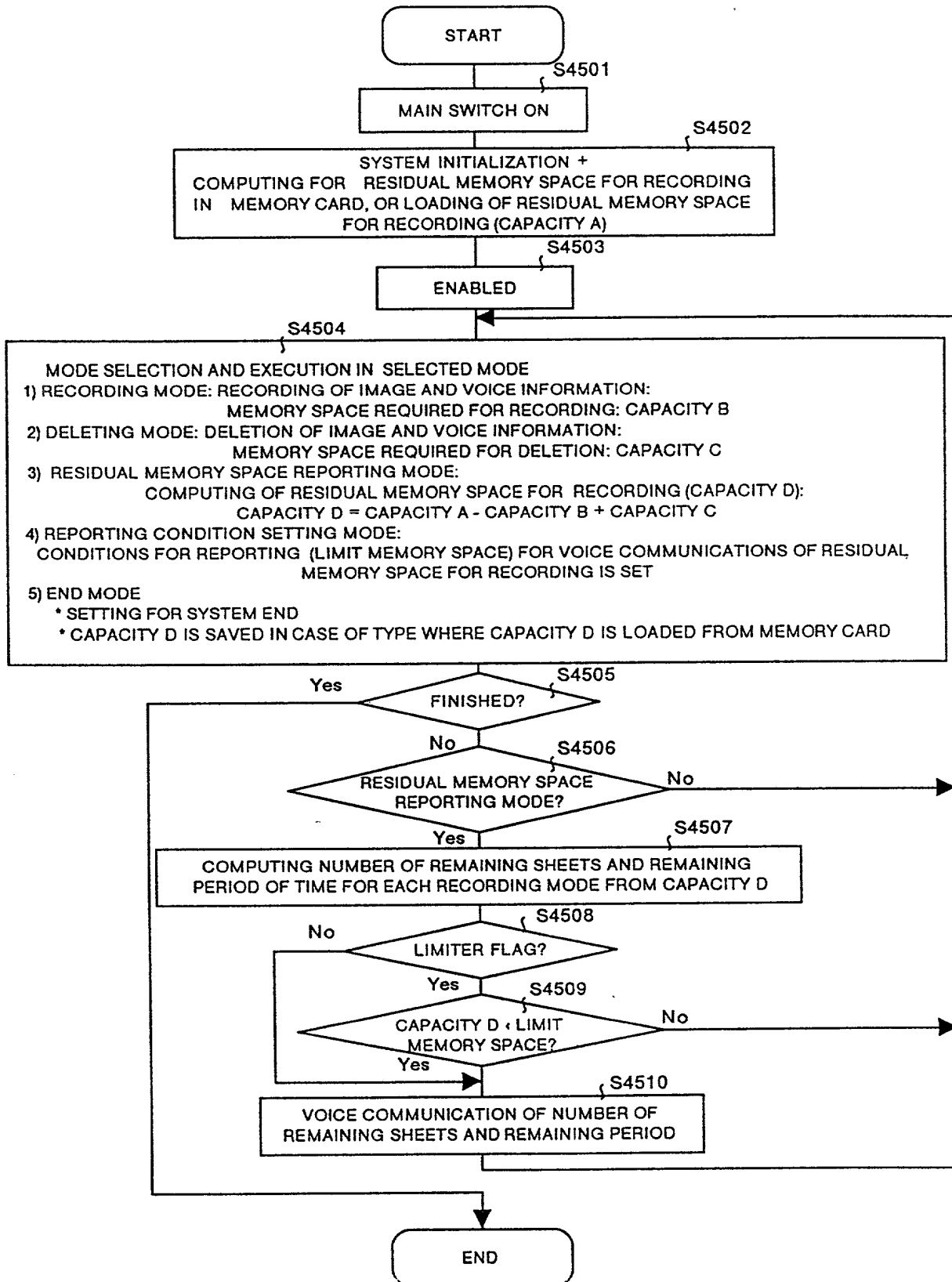


FIG.46

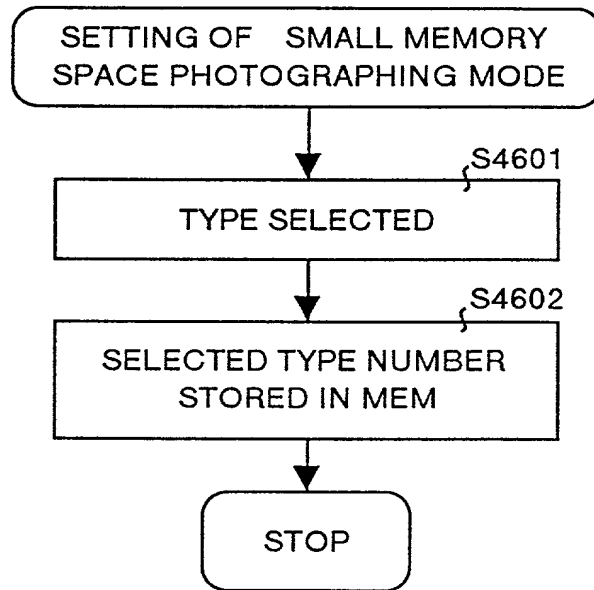


FIG.47A

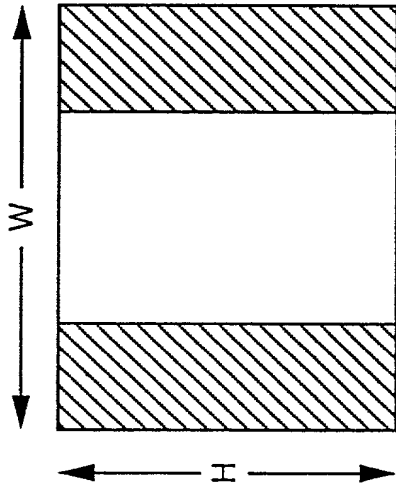


FIG.47B

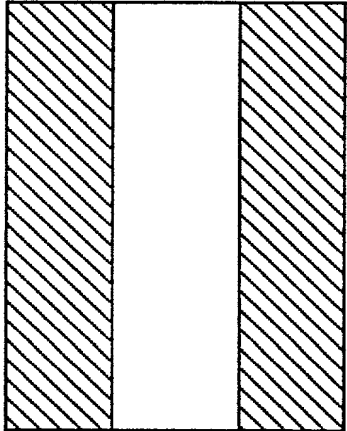


FIG.47C

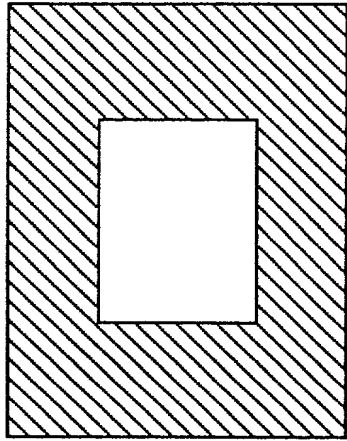


FIG.48

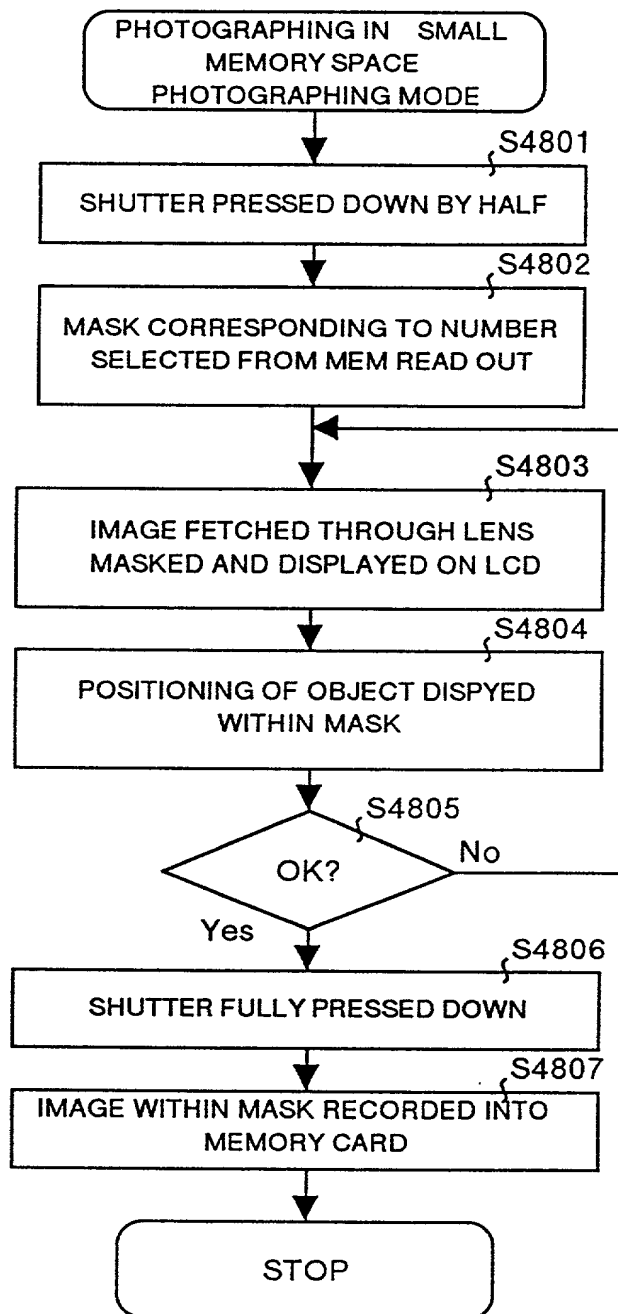




FIG. 49A

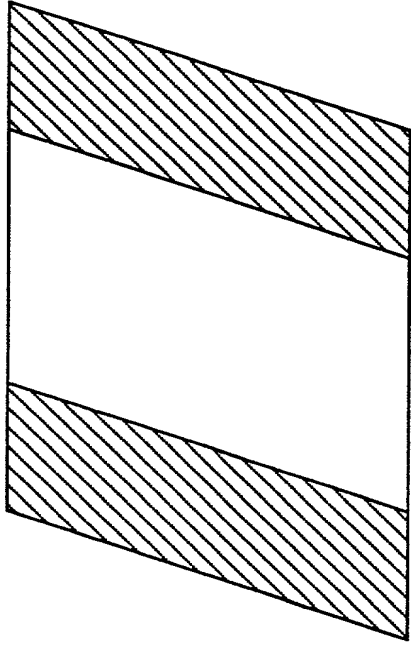


FIG. 49B

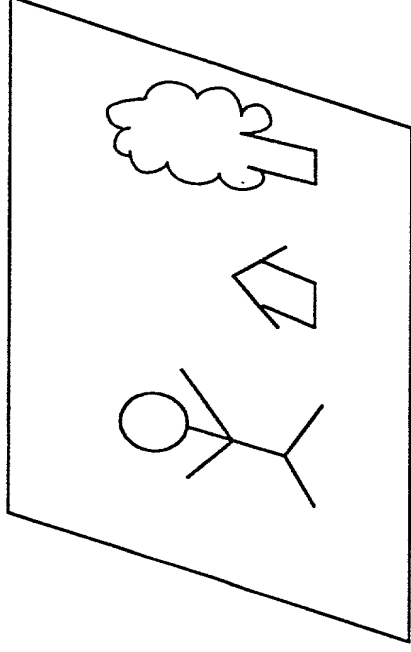


FIG. 49C

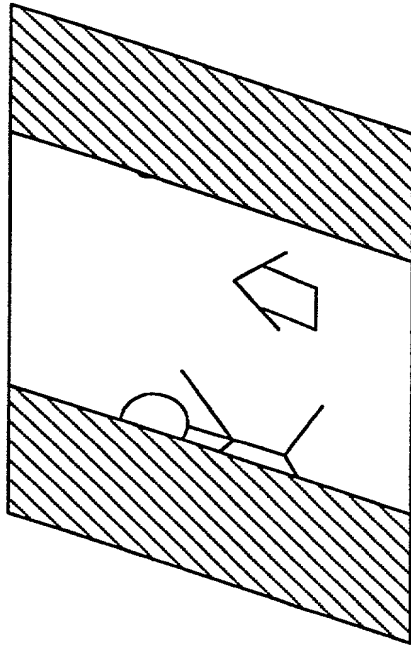


FIG. 49D

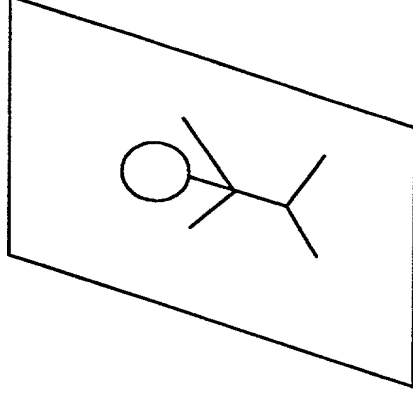


FIG.50

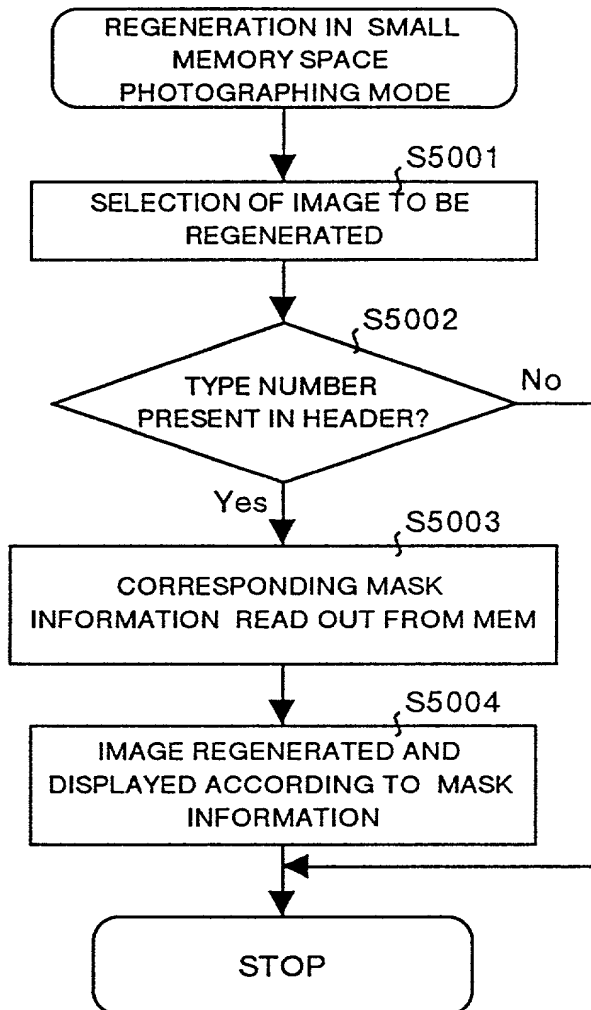


FIG.51

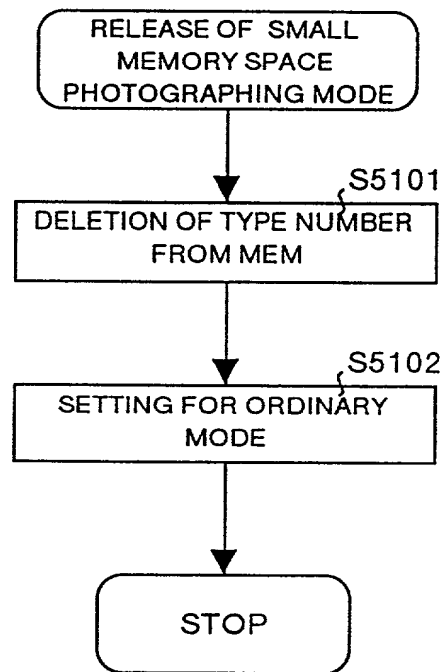


FIG.52

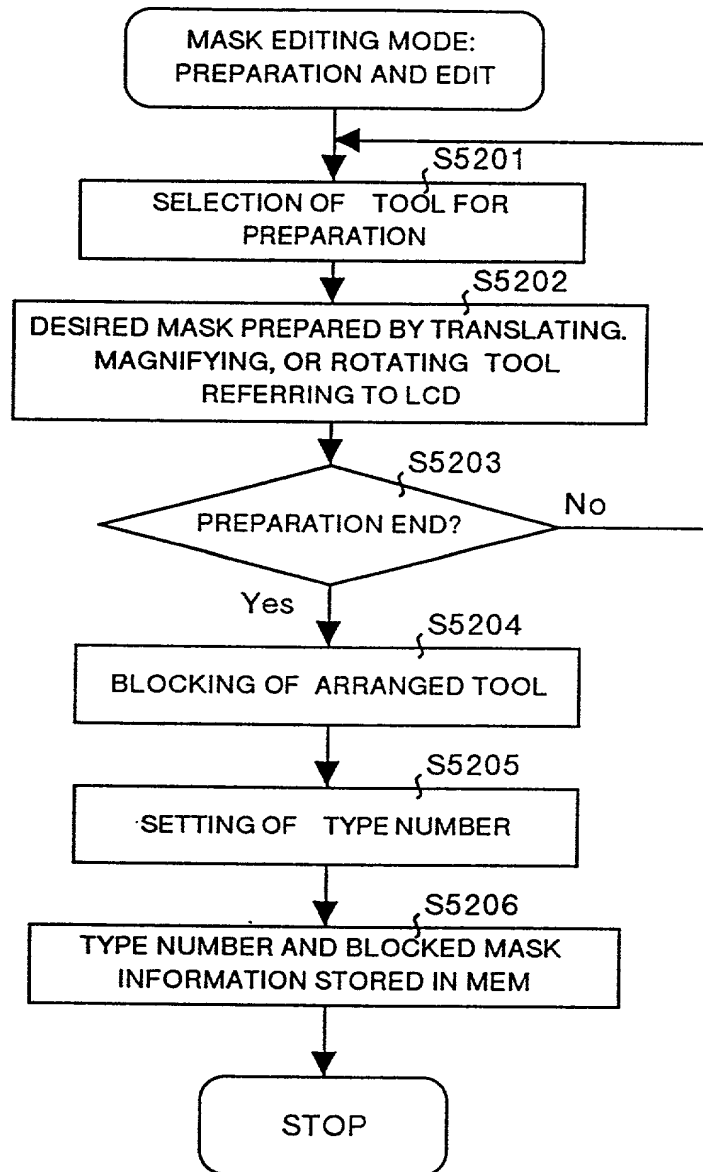


FIG. 53A

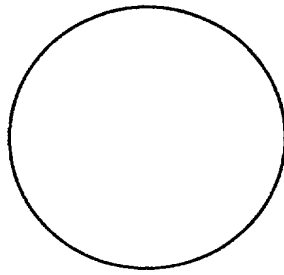


FIG. 53B

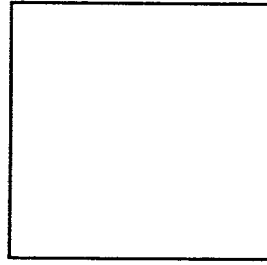


FIG. 53C

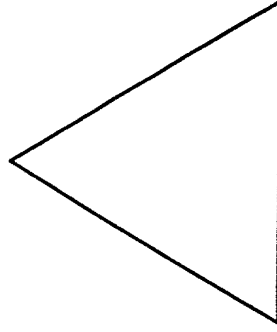


FIG. 53D

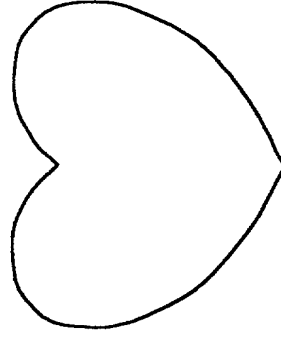


FIG.54A

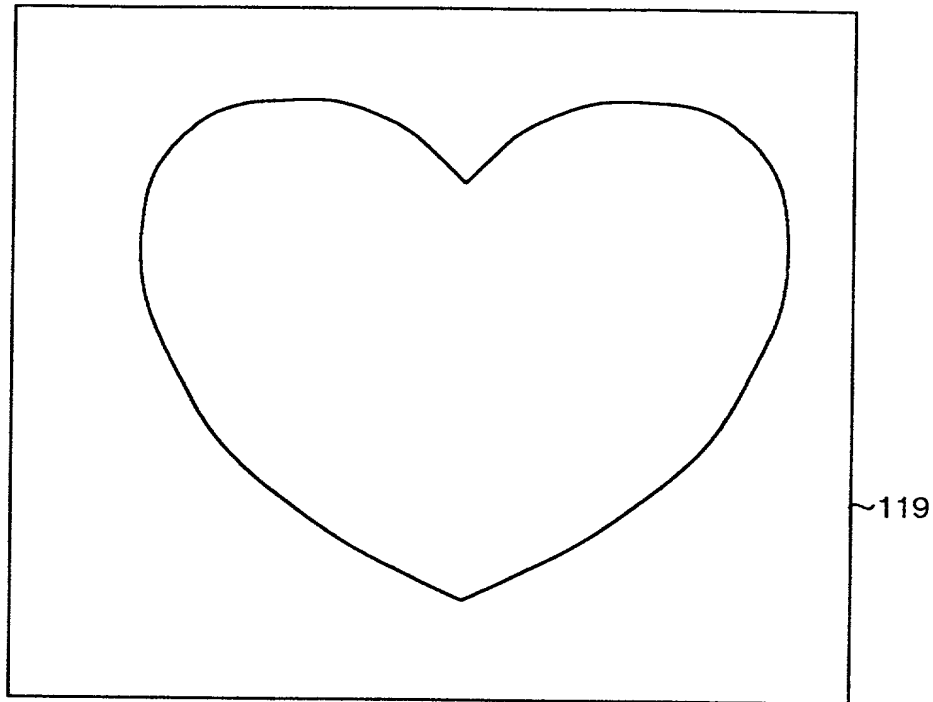


FIG.54B

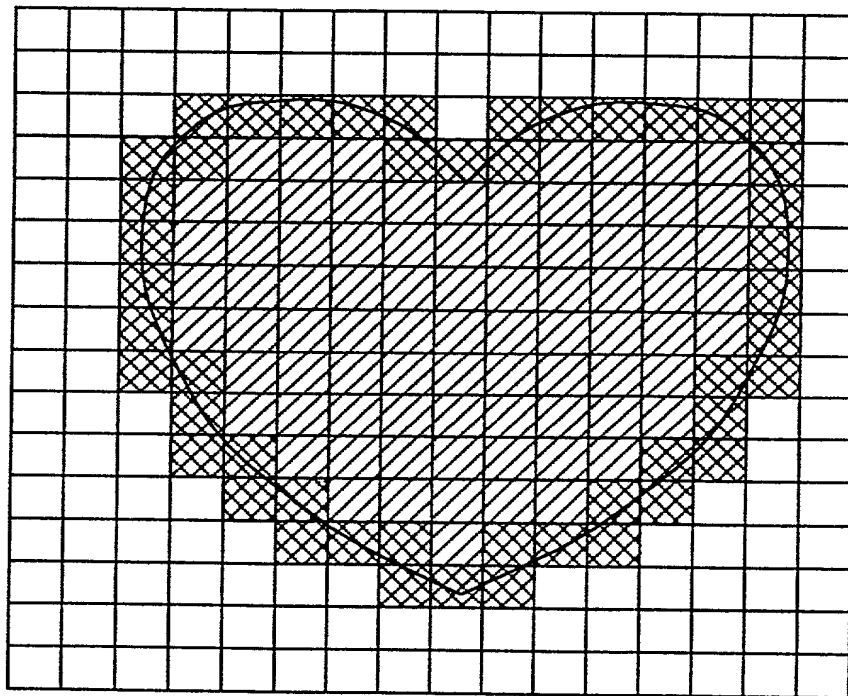


FIG.55

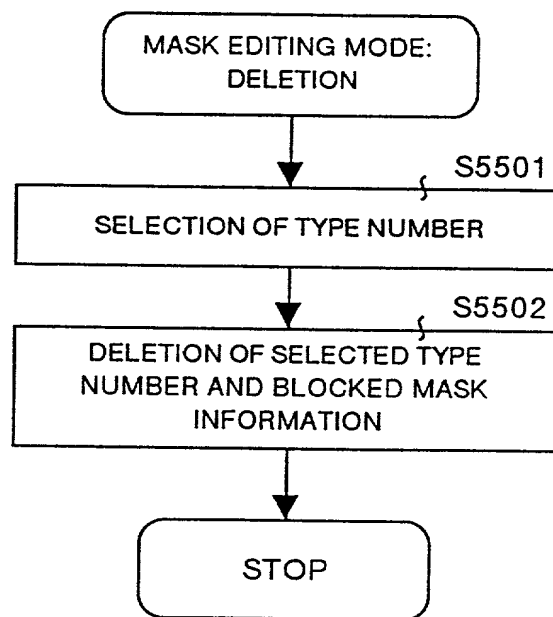


FIG.56

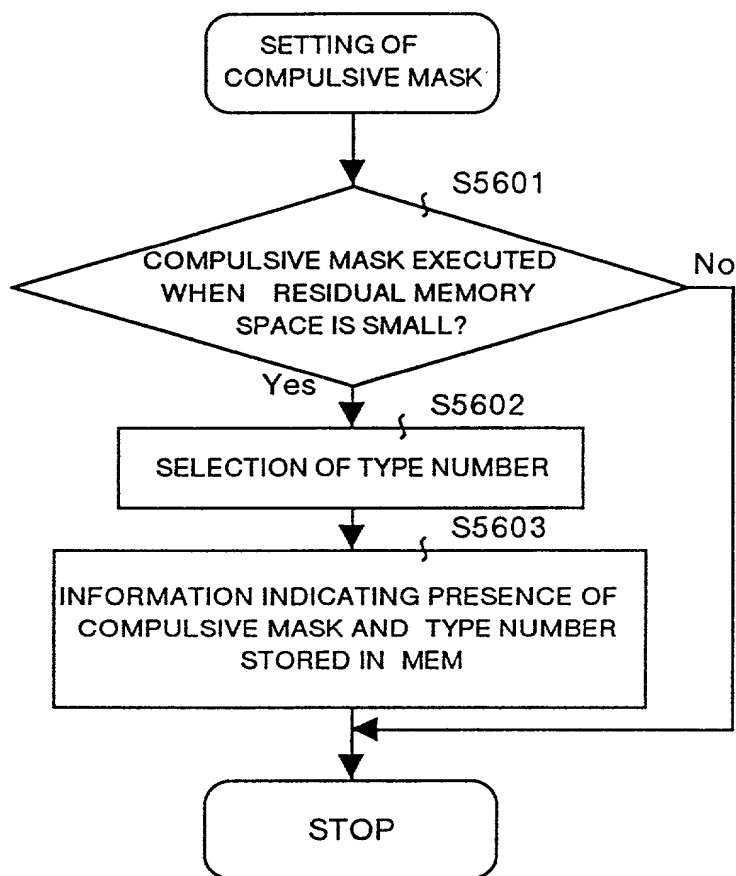




FIG.57

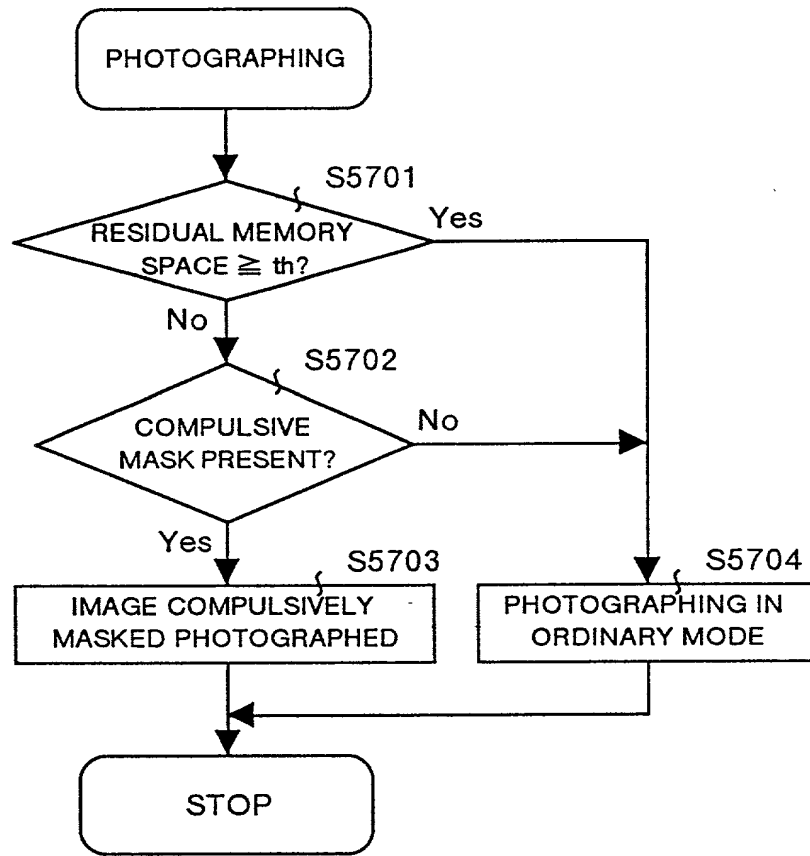


FIG.58

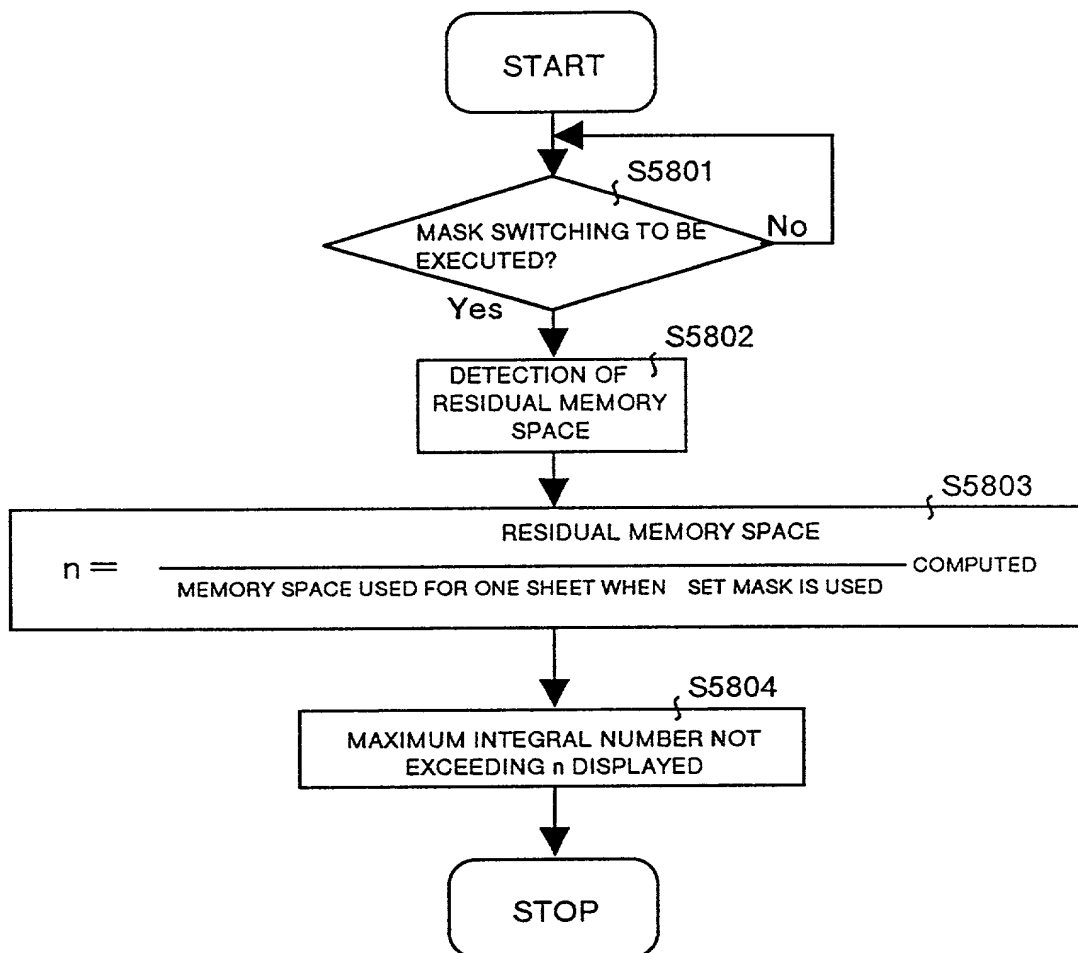


FIG.59A PRIOR ART

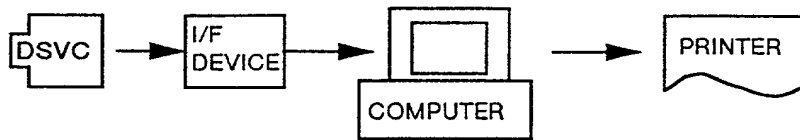


FIG.59B PRIOR ART

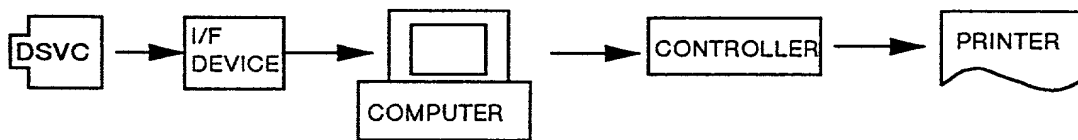


FIG.59C PRIOR ART

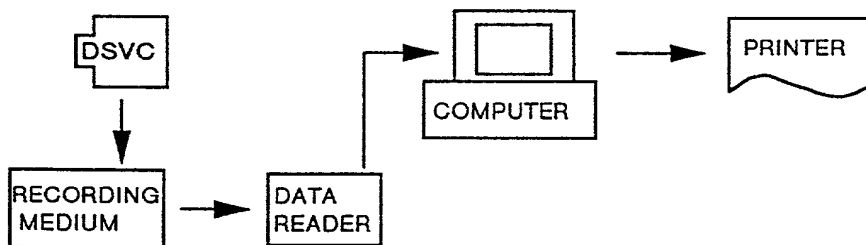


FIG.59D PRIOR ART

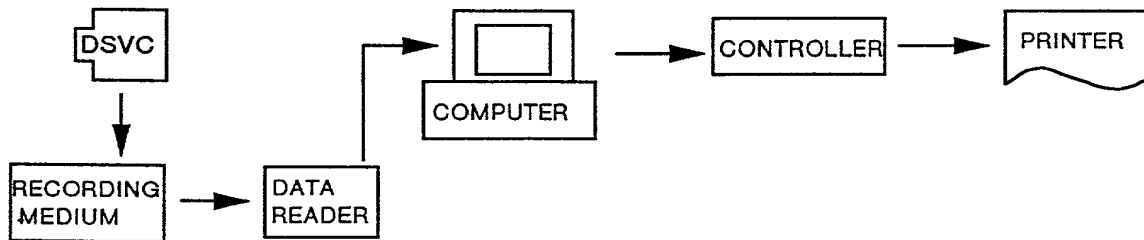


FIG. 60A PRIOR ART

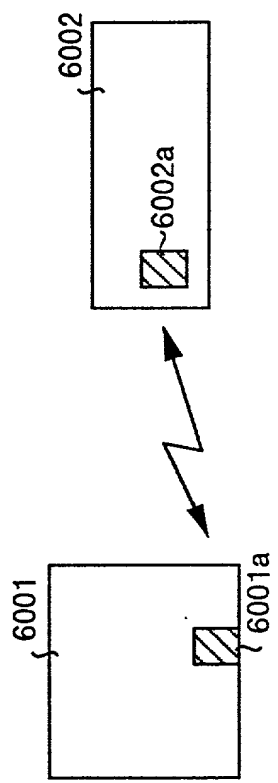


FIG. 60B PRIOR ART

